Second term Questions Bank

Question 01 choose the correct answer

1. $\frac{1}{8} \div m = \frac{1}{32}$, then m= ....

   (a) 4 (b) $\frac{1}{4}$ (c) 32 (d) $\frac{8}{32}$

2. A ....is a circle divided into sectors .

   (a) Height (b) Pie graph (c) sector (d) Bar graph

3. the measure of an acute angle .... the measure of a right angle

   (a) < (b) > (c) = (d) otherwise

4. The opposite triangle is ....

   (a) right (b) Obtuse (c) acute (d) otherwise

5. $3\frac{2}{5} \times 5$ = ...

   (a) $\frac{17}{5}$ (b) 5 (c) 17 (d) $3\frac{10}{5}$

6. It is impossible to draw a triangle with two .... Angles .

   (a) Acute (b) Obtuse (c) right (d) both b and c

7. The measure of an acute angle may be .... °

   (a) 0° (b) 40° (c) 90° (d) 170°

8. $\frac{4}{11}$ x .... $= \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$

   (a) $\frac{14}{11}$ (b) $3\frac{1}{2}$ (c) 4 (d) $\frac{6}{11}$

9. $\frac{8}{15} \times b = \frac{8}{15} + \frac{8}{15} + \frac{4}{15}$, then b = ...

   (a) $\frac{20}{15}$ (b) $3\frac{1}{2}$ (c) 3 (d) 2.5

10. $7\frac{3}{4}$ hours = ... hours + ... minutes

    (a) 7 , 30 (b) 7 , $\frac{1}{2}$ (c) 7 , 15 (d) 7 , 45

11. Volume of  is .... Cube units .

    (a) 3 (b) 4 (c) 5 (d) 10

12 $\frac{4}{9} \times 0.5 = ...$

(a) $\frac{8}{9}$ (b) $\frac{20}{9}$ (c) 20 (d) $\frac{2}{9}$

13 $\frac{8}{15} \times 0.25 = ...$

(a) $\frac{1}{4}$ (b) $\frac{25}{15}$ (c) 24 (d) $\frac{2}{15}$

14 It is impossible to draw a triangle with one .... Angles .

(a) Acute (b) Obtuse (c) right (d) both b and c

15 90 minutes = ... hours

(a) $12\frac{1}{2}$ (b) $3\frac{1}{2}$ (c) 30 (d) $1\frac{1}{2}$

16 The solid which has 5 vertices and 8 edges is ....

(a) Cone (b) Cube (c) cuboid (d) Pyramid

17 The measure of an acute angle .... The measure of an obtuse angle

(a) < (b) > (c) = (d) otherwise

18 $8 \div e = 40$, then e = ...

(a) 40 (b) $\frac{9}{40}$ (c) 5 (d) $\frac{1}{5}$

19 $\frac{7}{9} - \frac{3}{9} = ...$

(a) $\frac{4}{9}$ (b) $\frac{5}{0}$ (c) 1 (d) $\frac{10}{9}$

20 m (< A) = 40° , m (< B) = 70° , m (< C) = 70° , then it is a ....triangle .

(a) right (b) Obtuse (c) acute (d) otherwise

21 $3\frac{2}{6} \times \frac{....}{6} = 3\frac{2}{6}$

(a) $\frac{6}{6}$ (b) $3\frac{2}{6}$ (c) 6 (d) $\frac{1}{3}$

22 $\frac{6}{6} \times 2 = ...$

(a) $\frac{6}{6}$ (b) $2\frac{1}{6}$ (c) 2 (d) $\frac{5}{2}$

$3\frac{1}{2}$ hours = ... hours + ... minutes

(a) 3 , 30 (b) 3 , $\frac{1}{2}$ (c) 3 (d) 4 , 2

23 $\frac{1}{5} \div 7 = ...$

(a) 1 (b) $\frac{1}{35}$ (c) 35 (d) $\frac{5}{7}$

24 the opposite triangle is ....



(a) scalene (b) Equilateral (c) isosceles (d) otherwise

25 Data can be represented by ....

(a) Line plot (b) Pie graph (c) pictograph (d) All of them

26 .... Triangle has 2 acute angles and 1 right angle .

(a) right (b) Obtuse (c) right (d) otherwise

27 the measure of an obtuse angle is .... 90°

(a) < (b) > (c) = (d) otherwise

28 the number of horizontal layer is ....



(a) 3 (b) 4 (c) 5 (d) 10

29 cube has .... Faces .

(a) 12 (b) 6 (c) 0 (d) 8

30 18 months = ... Year

(a) $\frac{18}{12}$ (b) $3\frac{1}{6}$ (c) 3 (d) All of them

31 the simplest form of $4\frac{2}{10}$ is ....

(a) $4\frac{3}{4}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) $2\frac{3}{4}$

32 $\frac{25}{8}$ is equivalent to ....

(a) $2\frac{1}{8}$ (b) $3\frac{1}{25}$ (c) $3\frac{1}{8}$ (d) $\frac{8}{25}$

33 $3\frac{5}{6}$ is equivalent to ....

(a) $2\frac{5}{6}$ (b) $4\frac{1}{25}$ (c) $3\frac{1}{6}$ (d) $\frac{23}{6}$

34 $3\frac{2}{6}$ is equivalent to ....

(a) $2\frac{8}{6}$ (b) $3\frac{1}{6}$ (c) $2\frac{2}{6}$ (d) $\frac{23}{6}$

35 $8\frac{8}{8}$ is equivalent to ....

(a) $9\frac{5}{6}$ (b) $8\frac{1}{8}$ (c) 81 (d) 9

36 $4\frac{2}{10}$ is equivalent to ....

(a) $4\frac{20}{100}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) All of them

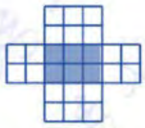
37 m (< A) = 90° , m (< B) = 60° , m (< C) = 30° , then it is a ....triangle .

(a) right (b) Obtuse (c) acute (d) otherwise

38 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3\frac{1}{5}$ - ....

ⓐ $12\frac{1}{5}$ ⓑ $4\frac{1}{5}$ ⓒ $\frac{5}{6}$ ⓓ $\frac{1}{6}$

39 the volume of this solid is .... Cube units .



ⓐ 12 ⓑ 3 ⓒ 2 ⓓ 9

40 .... Triangle has 2 acute angles and 1 obtuse angle .

ⓐ right ⓑ Obtuse ⓒ right ⓓ otherwise

41 the measure of a right angle is .... °

ⓐ 0° ⓑ 40° ⓒ 90° ⓓ 180°

42 $\frac{4}{6} \times \frac{4}{9} \times \frac{3}{16}$ = ...

ⓐ $\frac{124}{186}$ ⓑ $2\frac{2}{16}$ ⓒ 3 ⓓ $\frac{1}{18}$

43 $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times$ .... $= \frac{1}{4}$

ⓐ 4 ⓑ 2 ⓒ 3 ⓓ 1

44 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3 + \frac{1}{5}$ - ....

ⓐ $12\frac{1}{5}$ ⓑ $4\frac{1}{5}$ ⓒ $\frac{5}{6}$ ⓓ $\frac{1}{6}$

45 $\frac{8}{7} \times 3 = 4 \times \frac{.....}{7}$

ⓐ 8 ⓑ 4 ⓒ 3 ⓓ 6

46 $\frac{16}{9} \times \frac{3}{4}$ .... $\frac{2}{6} \times \frac{3}{8}$

ⓐ $<$ ⓑ $>$ ⓒ = ⓓ otherwise

47 $m(< G) = 110^\circ$, $m(< D) = 35^\circ$, $m(< F) = 35^\circ$, then it is an ....triangle

ⓐ right ⓑ Obtuse ⓒ acute ⓓ otherwise

48 1 - .... = 1

ⓐ $\frac{1}{2}$ ⓑ $\frac{10}{10}$ ⓒ $\frac{0}{3}$ ⓓ 1

49 Length x width x height = ...

ⓐ Area ⓑ Perimeter ⓒ volume ⓓ Base area

50 $m - \frac{5}{7} = \frac{1}{4}$, then the value of m is ....

ⓐ $\frac{27}{28}$ ⓑ $\frac{13}{28}$ ⓒ $\frac{1}{4}$ ⓓ $\frac{5}{7}$

51 $\frac{7}{14}$ + e = 1 , then the value of e is ....

(a) $\frac{8}{14}$ (b) $\frac{1}{2}$ (c) $\frac{5}{14}$ (d) $\frac{5}{7}$

52 $\frac{11}{16}$ - a = $\frac{1}{4}$, then the value of a is ....

(a) $\frac{8}{16}$ (b) $\frac{7}{16}$ (c) $\frac{10}{12}$ (d) $\frac{6}{6}$

53 $\frac{12}{20}$ is equivalent to ....

(a) $\frac{8}{10}$ (b) $\frac{3}{5}$ (c) $\frac{10}{12}$ (d) $\frac{6}{5}$

54 $4\frac{1}{12}$ years = ... years + ... months

(a) 4 , 2 (b) 4 , $\frac{1}{12}$ (c) 4 , 1 (d) 4 , 12

55 .... Triangle has 3 acute angles and 0 obtuse angle .

(a) right (b) Obtuse (c) acute (d) otherwise

56 the measure of an obtuse angle may be .... °

(a) 0° (b) 40° (c) 90° (d) 110°

57 $\frac{3}{4} - \frac{3}{8}$ .... $\frac{7}{25}$ X $\frac{5}{21}$

(a) < (b) > (c) = (d) otherwise

58 $2\frac{2}{6}$ x $\frac{3}{7}$ = ...

(a) $\frac{14}{21}$ (b) $3\frac{1}{2}$ (c) 1 (d) $\frac{14}{6}$

59 AB = BC = 6.32 cm , AC is less than them , then it is an ....triangle .

(a) scalene (b) Equilateral (c) isosceles (d) otherwise

60 the volume of this solid is .... Cubes.



(a) 3 (b) 4 (c) 5 (d) 10

61 the sum of the measures of angles around at a point is equal ....°

(a) 270 (b) 90 (c) 360 (d) 180

62 $5\frac{2}{8} + 3\frac{6}{8}$ = ...

(a) 9 (b) $8\frac{1}{6}$ (c) $8\frac{4}{6}$ (d) $\frac{4}{6}$

63 $6\frac{1}{5} - 2\frac{3}{5}$ = ...

(a) $4\frac{4}{5}$ (b) $4\frac{2}{5}$ (c) $3\frac{3}{5}$ (d) $\frac{31}{5}$

64 $3\frac{1}{8} + 2\frac{3}{8}$ = ...

ⓐ $5\frac{4}{5}$ ⓑ $5\frac{1}{2}$ ⓒ $1\frac{4}{8}$ ⓓ $1\frac{2}{8}$

65 $9\frac{3}{9} - 3\frac{1}{3}$ = ...

ⓐ $6\frac{2}{3}$ ⓑ $6\frac{7}{9}$ ⓒ $6\frac{1}{9}$ ⓓ 6

66 $3\frac{2}{3} \times \frac{1}{5} = \frac{1}{5} \times 3 + \frac{1}{5} \times$ ....

ⓐ $\frac{2}{3}$ ⓑ $3\frac{2}{3}$ ⓒ 3 ⓓ $\frac{8}{3}$

67 45 minutes = ... Hours

ⓐ $\frac{1}{2}$ ⓑ $\frac{1}{4}$ ⓒ 1 ⓓ $\frac{3}{4}$

68 base area x height = ...

ⓐ Area ⓑ Perimeter ⓒ volume ⓓ Base area

69 .... Triangle has 3 different sides .

ⓐ scalene ⓑ Equilateral ⓒ isosceles ⓓ otherwise

70 A ....is bounded by an arc and two radii .

ⓐ Height ⓑ Pie graph ⓒ sector ⓓ Bar graph

71 the colored part represent .... Of the circle .



ⓐ $\frac{1}{4}$ ⓑ 0.5 ⓒ $\frac{3}{4}$ ⓓ 0.25

72 75 minutes = ... Hours

ⓐ $\frac{1}{2}$ ⓑ $1\frac{1}{4}$ ⓒ 1 ⓓ $\frac{3}{4}$

73 Which is equal to $6 \times \frac{3}{9}$?

ⓐ 2 ⓑ $3 \times \frac{6}{9}$ ⓒ $18 \times \frac{1}{9}$ ⓓ all of them

74 $5 + \frac{3}{5} + \frac{2}{5}$ = ...

ⓐ $5\frac{2}{5}$ ⓑ 6 ⓒ $\frac{18}{4}$ ⓓ 4

75 $\frac{2}{3} + \frac{7}{12} = 1 +$ ....

ⓐ $\frac{2}{5}$ ⓑ $\frac{1}{4}$ ⓒ $\frac{1}{3}$ ⓓ $\frac{1}{5}$

76 $\frac{1}{4} + \frac{3}{12} = 1 -$ ....

ⓐ $\frac{1}{2}$ ⓑ $\frac{1}{4}$ ⓒ $\frac{1}{3}$ ⓓ $\frac{1}{5}$

77 $3\frac{3}{4}$ = ... ÷ 4

ⓐ 12 ⓑ 4 ⓒ 3 ⓓ 15

78 .... = 13 ÷ 5

ⓐ 2 ⓑ 5 ⓒ $2\frac{3}{5}$ ⓓ 18

79 $\frac{1}{2}$ year = ... Months

ⓐ 5 ⓑ 6 ⓒ 2 ⓓ 1

80 $\frac{1}{4} + \frac{3}{16}$ = ...

ⓐ $\frac{7}{16}$ ⓑ 0 ⓒ 16 ⓓ $\frac{4}{20}$

81 $8\frac{1}{6} + 3.5$ = ...

ⓐ $11\frac{2}{3}$ ⓑ $11\frac{1}{6}$ ⓒ $4\frac{2}{3}$ ⓓ 5

82 volume ÷ height = ...

ⓐ Height ⓑ Width ⓒ volume ⓓ Base area

83 .... Triangle has 2 same sides and 1 different .

ⓐ scalene ⓑ Equilateral ⓒ isosceles ⓓ otherwise

84 $4\frac{3}{7}$ + ... = $5\frac{1}{3}$

ⓐ $9\frac{4}{21}$ ⓑ $1\frac{16}{21}$ ⓒ 1 ⓓ $\frac{19}{21}$

85 $m - 7\frac{2}{12} = 3\frac{1}{4}$, then the value of m is ....

ⓐ $10\frac{5}{12}$ ⓑ $3\frac{11}{12}$ ⓒ 4 ⓓ $4\frac{1}{8}$

86 $a + 6\frac{4}{12} = 9\frac{3}{4}$, then the value of a is ....

ⓐ $3\frac{5}{12}$ ⓑ $15\frac{7}{12}$ ⓒ 2.5 ⓓ $16\frac{1}{12}$

87 $5\frac{1}{5} - e = 3\frac{1}{5}$, then the value of e is ....

ⓐ $2\frac{2}{5}$ ⓑ $1\frac{3}{5}$ ⓒ $1\frac{4}{5}$ ⓓ $8\frac{4}{5}$

88 volume ÷ (length x width) = ...

ⓐ Height ⓑ Width ⓒ volume ⓓ Base area

89 $24 \div 7 = \dots\dots\dots\dots + 3$

ⓐ $\frac{3}{3}$ ⓑ $\frac{1}{8}$ ⓒ 3 ⓓ $\frac{3}{7}$

90 $25 \div \dots\dots\dots = 6\frac{1}{4}$

ⓐ 6 ⓑ $\frac{1}{4}$ ⓒ 4 ⓓ $\frac{6}{25}$

91 The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is ....

ⓐ 18 ⓑ 6 ⓒ 3 ⓓ 2

92 The simplest form of form of $\frac{6}{12}$ is ....

ⓐ $\frac{1}{2}$ ⓑ $\frac{2}{3}$ ⓒ $\frac{5}{6}$ ⓓ $\frac{12}{6}$

93 Estimate the sum of $\frac{1}{6} + \frac{7}{8}$ using benchmarks, ...

ⓐ $\frac{25}{24}$ ⓑ 1 ⓒ $\frac{1}{2}$ ⓓ 0

94 $\frac{2}{6} \times 3 = \dots\dots\dots\dots$

ⓐ $\frac{5}{6}$ ⓑ 1 ⓒ 36 ⓓ $\frac{12}{3}$

95 volume ÷ (length x height) = ...

ⓐ Height ⓑ Width ⓒ volume ⓓ Base area

96 the measure of this central angle is ....°



ⓐ 360 ⓑ 270 ⓒ 90 ⓓ 180

97 the measure of an obtuse angle .... the measure of a right angle

ⓐ < ⓑ > ⓒ = ⓓ otherwise

98 $\frac{1}{6}$ year = ... Months

ⓐ 5 ⓑ 6 ⓒ 2 ⓓ 1

99 the angle whose vertex is the center of the circle is called ....angle .

ⓐ Centeral ⓑ Circular ⓒ right ⓓ Straight

100 $\frac{2}{8} + \frac{6}{8} = \dots\dots\dots\dots\dots$

ⓐ $\frac{4}{6}$ ⓑ $\frac{2}{3}$ ⓒ 1 ⓓ $\frac{6}{8}$

101 If the volume of a cuboid = 30 cm^3 and base area = 15 cm^2 , then it's height is .... Cm

ⓐ 5 ⓑ 2 ⓒ 15 ⓓ 150

102 $4 \div \frac{1}{4}$ .... $\frac{1}{4} \div 4$

ⓐ < ⓑ > ⓒ = ⓓ otherwise

103 $\frac{1}{...?...} = \frac{8}{24}$

(a) 0 (b) 2 (c) 3 (d) 1

104 $1\frac{1}{8}$ day = ... hours

(a) 24 (b) 8 (c) 27 (d) 2

105 .... $\div \frac{1}{6} = 24$

(a) 4 (b) $\frac{1}{4}$ (c) 36 (d) $\frac{6}{24}$

106 The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is ....

(a) 7 (b) 35 (c) 5 (d) $\frac{6}{35}$

107 $\frac{1}{4} \div \frac{1}{2}$ = ...

(a) 4 (b) $\frac{1}{4}$ (c) 8 (d) $\frac{1}{2}$

108 $10 \div \frac{1}{5}$ = ...

(a) 2 (b) $\frac{1}{5}$ (c) 50 (d) $\frac{5}{10}$

109 $1 - \frac{3}{5} - \frac{2}{5}$ = ...

(a) 0 (b) 2 (c) $\frac{5}{5}$ (d) 1

110 $\frac{2}{5} = \frac{.....}{15}$

(a) 0 (b) 2 (c) 3 (d) 6

111 $\frac{1}{...?...} = \frac{12}{24}$

(a) 0 (b) 2 (c) 3 (d) 1

112 $8 \div \frac{1}{4}$ .... $4 \div \frac{1}{8}$

(a) < (b) > (c) = (d) otherwise

113 $\frac{1}{5} + \frac{2}{3}$ = ...

(a) $\frac{13}{15}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$

114 ....+ $\frac{5}{8} = 1$

(a) $\frac{4}{8}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$

115 .... + $\frac{5}{10}$ = 1

(a) $\frac{1}{2}$ (b) $\frac{5}{10}$ (c) $\frac{4}{8}$ (d) all of them

116 1 - .... = 0

(a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{2}{3}$ (d) 0

Question 02 complete

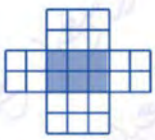
1. the number of vertical layer is ....



2. $\frac{3}{12}$ x $\frac{3}{8}$ x $\frac{2}{6}$ = ...
3. scalene triangle has 3 .... sides .
4. $4\frac{4}{8}$ x $\frac{......}{8}$ = $4\frac{1}{2}$
5. $\frac{2}{8}$ x 3 x $\frac{2}{6}$ = ...
6. $\frac{100}{100}$ x $5\frac{6}{12}$ = ...
7. $3\frac{2}{5}$ x 5 = 5 x ....
8. $\frac{2}{5}$ x 3 = 6 x ....
9. $\frac{3}{2}$ x $\frac{12}{24}$ = ...
10. the figure name is ....

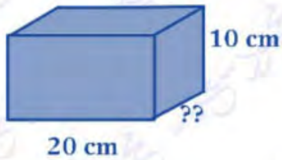


11. $\frac{2}{11}$ x .... = $\frac{3}{11}$
12. .... x $\frac{3}{8}$ x $\frac{2}{6}$ = $\frac{3}{8}$
13. $\frac{2}{3}$ x .... = $\frac{6}{12}$
14. Volume = ...x........x.........



15. .... x $\frac{5}{6}$ = $\frac{10}{24}$
16. .... Triangle has 3 acute angles and 0 right angle .
17. $\frac{3}{5}$ x 1.5 x 30 = ...

(18) if the volume = 1200 cm3 , then the missing dimension is ....cm



(19) $\frac{4}{11}$ x .... = $\frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$

(20) $3\frac{3}{5}$ x .... = 1

(21) $3\frac{2}{3} \times \frac{1}{5}$ = ... x 3 + ... x $\frac{2}{3}$

(22) 15 minutes = ... Hours

(23) .... minutes = $\frac{1}{2}$ Hours

(24) 2 ÷ 4 = ...

(25) 23 ÷ 4 = ...

(26) 34 ÷ 5 = 6 + ...

(27) 40 ÷ .... = $4\frac{4}{9}$

(28) 18 ÷ $\frac{1}{2}$ = 18 x ....

(29) the measure of this central angle is ....°



(30) $\frac{4}{11}$ x .... = $\frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$

(31) d ÷ $\frac{1}{5}$ = $\frac{1}{2}$, then d = ...

(32) $\frac{1}{7}$ ÷ n = $\frac{1}{21}$, then n = ...

(33) 6 ÷ f = 24 , then f = ...

(34) Any triangle has at least .... Acute angles .

(35) Volume of  is .... Cube units .

(36) .... Triangle has 3 acute angles .

(37) $\frac{1}{6} + \frac{3}{6}$ = ... In simplest form

(38) color $\frac{1}{4}$ of the circle .



(39) the measure of a right angle is .... 90°

(40) the sum of all decimals in one circle = ...

41. the measure of an obtuse angle is .... 90°

42. the triangle has ....sides and ....angles

43. The simplest form of form of $\frac{2}{24}$ is ....

44. the Area of the opposite figure is .... square units.



45. the sphere has .... vertex .

46. the measure of an acute angle is .... 90°

47. $\frac{2}{6}$ x 2.5 = ...

48. ....is a flat surface of a solid figure .

49. $\frac{5}{8}$ x 0.4 = ...

50. .... Triangle has 3 equal sides .

51. volume ÷ base area = ...

52. volume ÷ (width x height) = ...

53. $\frac{2}{3}$ year = ... Months

54. If the volume of a cuboid = 400 cm3, it's length = 10 cm , it's height = 5 cm, then it's width is .... Cm

55. A ....is a part of a circular region .

56. the colored part represent .... Of the circle



57. Color $\frac{1}{2}$ of the circle .



58. $30 \div \frac{1}{3}$ = ...

59. .... $\div \frac{1}{5}$ = 25

60. the sum of all fractions in one circle = ...

61. 7 $\frac{8}{8}$ is equivalent to ....

62. 90 seconds = ... minutes

63. The smallest same denominator of $\frac{1}{4}$ and $\frac{3}{8}$ is ....

64. $\frac{1}{\dots\dots} = \frac{2}{8}$

65. color $\frac{1}{8}$ of the circle .



66. The LCM of denominators of $\frac{4}{5}$ and $\frac{2}{25}$ is ....

67. $\frac{6}{9} - \frac{3}{9}$ = ... In simplest form

68. .... + $\frac{2}{9}$ = 1

69. ABC is an equilateral triangle where AB = 4 cm , then AC = ...And BC = ...

70. $3 + \frac{1}{8} + \frac{7}{8}$ = ...

71. $R - \frac{2}{6} = \frac{1}{3}$, then the value of R is ....

72. $\frac{1}{4} + \frac{3}{4}$ = 1 - ....

73. $\frac{1}{12}$ year = ... Months

74. $2\frac{1}{4}$ hours = ... hours + ... minutes

75. 24 months = ... Year

76. 120 seconds = ... minutes

77. $\frac{3}{2}$ x 2 = ...

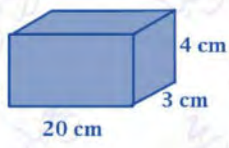
78. $2\ \frac{2}{5}$ x 3 = ...

79. $\frac{8}{9}$ x 0.125 = ...

80. $1 - \frac{3}{8} - \frac{2}{8}$ = ...

Question 03 Answer the following questions

1. find the volume of this solid .



....

2. Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money . What fraction of money does Mohamed save ?

....

3. Yara's garden consists of $\frac{3}{8}$ poppies , $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden ?

....

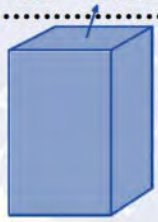
4. Besan collected $6\frac{2}{7}$ of honey . She gave his sister Sandy $3\frac{3}{4}$ kg of them . How many kilograms are left ?

....

5. Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes . Write their fractions with like denominators .

....

6. find the volume of this solid .



....

7. Lena ate $1\frac{3}{4}$ kg of fruits , Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin . How many kilograms did Jana eat ?

....

8. Seif studied MATH for $3\frac{1}{4}$ hours and science for 30 minutes . How many hours did Seif study in all ?

....

9. Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom . How many rose bushes are in bloom ?

....

10. Maya ate $\frac{1}{4}$ of 24 candies . How many candies are left ?

....

11. write three different multiplication expressions that have the same product as $5 \times \frac{4}{8}$

....

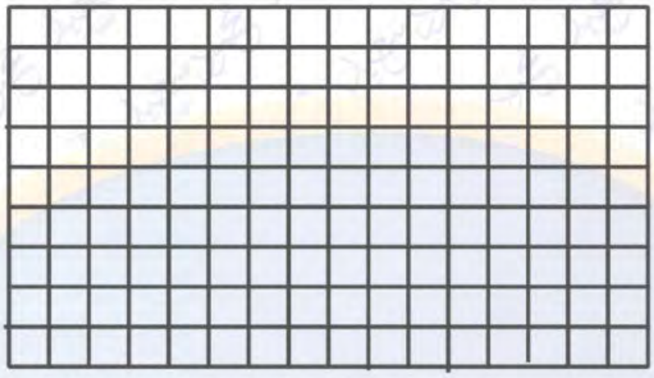
12. Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter . How much money did Dareen pay ?

....

13 Mohamed bought 3 bags of meat . Each bag has a mass of $2\frac{1}{9}$ kg . If he gave $4\frac{2}{3}$ kg to Rozana . How many kilograms left ?

....

14 **Draw two different rectangles with an area 24 square units .**



15 A rectangular room of $1\frac{1}{4}$ m wide and 4 m longe . Find the area .

....

16 Mr Mahmoud Elkholy is reading achapter book in MATH . He can read $10\frac{2}{3}$ pages in 1 hour . How many pages will he read in 15 minutes ?

....

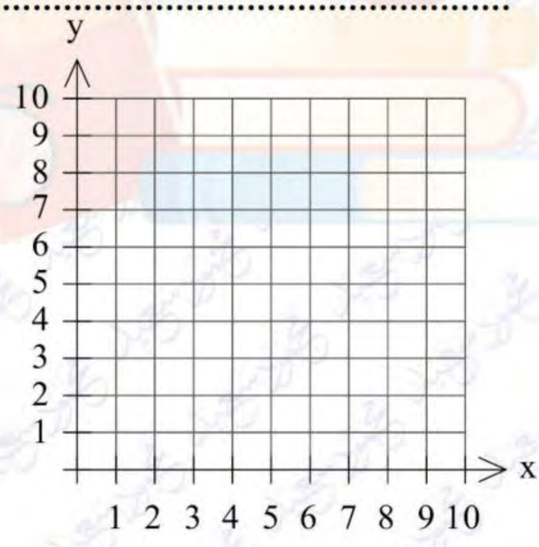
17 If the price of 16 candies 26 L.E. .find the price of each one .

....

Plot the points on the coordinate plane :

18 A(2 , 4) B (7 , 4) C(7 , 7) D (2 , 7)

- what is the name of the figure ABCD ? Rectangle
- what is the length of AB ?
- what is the length of BC ?
- CD // ....
- AB is perpendicular to ....



19 How many $\frac{1}{6}$ cup in 6 cups of chocolate ?

....

20 Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes . To how many students will he be able to give candies ?

....

21 <u>**Find the area of the opposite rectangle .**</u>

....

....

8 cm	
	$3\frac{1}{2}$ *cm*

22 Sofian wants to design a cuboid room of volume 12,000,000 cm3 , it's length = 300 cm and it's height = 200 cm, find it's width .

....

23 A cuboid with a square base it's length 20 cm . 24000 cm3 oil was poured into it . What is the height of the oil ?

....

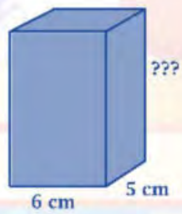
24 MR Mahmoud Elkholy walked $1\frac{1}{2}$ km and his student Ebrahim walked $2\frac{3}{5}$ km more . What distance that Ebrahim walked ?

....

25 if the volume = 300 cm3 , find the height of this solid .

....

....

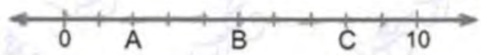


26 Samira studied MATH for $1\frac{1}{2}$ hours and scince for 40 minutes . How many minutes did Samira study in all ?

....

27 **Answer with the number line .**

- what is the value of A ?
- what is the value of B ?
- what is the value of C ?
- what is the distance between A and C ?



28 The opposite figure shows the fraction of time that Eyad spends in studying subjects . He studied 20 hours .

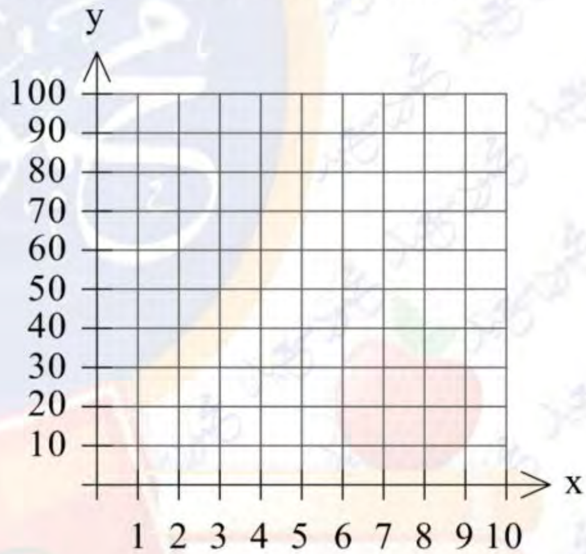
- what's the decimal of the time that Eyad spends in studying Maths ?
- what's the fraction of the time that Eyad spends in studying Maths ?
- what's the measure of the central angle of science ?
- what's the measure of the central angle of Arabic ?
- How many hours did he study English ?
- How many hours did he study Arabic ?
- How many hours did he study science ?



29 Ahmed's car consumes 1 Liter of petrol to cover 5 km , complete the table and graph the points on the grid .

Petrol	Distance
1	5
2	10
4	20
6	30
9	45
10	50

- How many liters are needed to cover 40 km ?
- 12 liters can be consumed to cover .... Km



30 Represent these data by the opposite pie chart .

Rate	excellent	good	pass	weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

- If the total number of students is 100 students ,

1- find the number of good students .

2- find the number of pass students .

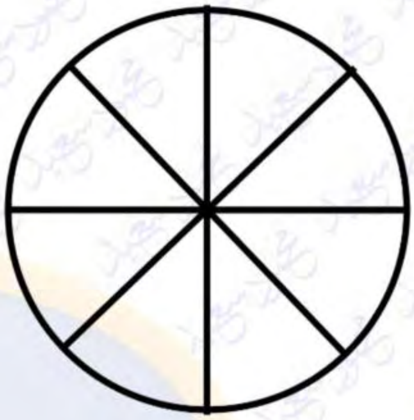
3- find the number of week students .

4- find the number of excellent students .



(31) **In the opposite circle . This represents 80 students .**

- Shade $\frac{1}{2}$ of the circle green .
- Shade $\frac{1}{8}$ of the circle red .
- Shade $\frac{1}{4}$ of the circle blue .
- Shade $\frac{1}{8}$ of the circle yellow .
- what decimal of the group is blue ?
- what decimal of the group is green ?
- what decimal of the group is red ?
- How many students do the green represent ?
- How many students do the blue represent ?
- How many students do the yellow and red represent ?



تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Answers

Second term Questions Bank

Question 01 choose the correct answer

1. $\frac{1}{8} \div m = \frac{1}{32}$, then m= ....

   (a) 4 (b) $\frac{1}{4}$ (c) 32 (d) $\frac{8}{32}$

2. A ....is a circle divided into sectors .

   (a) Height (b) Pie graph (c) sector (d) Bar graph

3. the measure of an acute angle .... the measure of a right angle

   (a) < (b) > (c) = (d) otherwise

4. The opposite triangle is ....

   (a) right (b) Obtuse (c) acute (d) otherwise

5. $3\frac{2}{5} \times 5 =$ ....

   (a) $\frac{17}{5}$ (b) 5 (c) 17 (d) $3\frac{10}{5}$

6. It is impossible to draw a triangle with two .... Angles .

   (a) Acute (b) Obtuse (c) right (d) both b and c

7. The measure of an acute angle may be ....°

   (a) 0° (b) 40° (c) 90° (d) 170°

8. $\frac{4}{11}$ x .... $= \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$

   (a) $\frac{14}{11}$ (b) $3\frac{1}{2}$ (c) 4 (d) $\frac{6}{11}$

9. $\frac{8}{15} \times b = \frac{8}{15} + \frac{8}{15} + \frac{4}{15}$, then b = ...

   (a) $\frac{20}{15}$ (b) $3\frac{1}{2}$ (c) 3 (d) 2.5

10. $7\frac{3}{4}$ hours = ... hours + ... minutes

    (a) 7 , 30 (b) 7 , $\frac{1}{2}$ (c) 7 , 15 (d) 7 , 45

11. Volume of  is .... Cube units .

    (a) 3 (b) 4 (c) 5 (d) 10

12) $\frac{4}{9} \times 0.5 =$ ....

a) $\frac{8}{9}$ b) $\frac{20}{9}$ c) 20 d) $\frac{2}{9}$

13) $\frac{8}{15} \times 0.25 =$ ....

a) $\frac{1}{4}$ b) $\frac{25}{15}$ c) 24 d) $\frac{2}{15}$

14) It is impossible to draw a triangle with one .... Angles .

a) Acute b) Obtuse c) right d) both b and c

15) 90 minutes = ... hours

a) $12\frac{1}{2}$ b) $3\frac{1}{2}$ c) 30 d) $1\frac{1}{2}$

16) The solid which has 5 vertices and 8 edges is ....

a) Cone b) Cube c) cuboid d) Pyramid

17) The measure of an acute angle .... The measure of an obtuse angle

a) $<$ b) $>$ c) $=$ d) otherwise

18) $8 \div e = 40$, then e = ...

a) 40 b) $\frac{9}{40}$ c) 5 d) $\frac{1}{5}$

19) $\frac{7}{9} - \frac{3}{9} =$ ....

a) $\frac{4}{9}$ b) $\frac{5}{0}$ c) 1 d) $\frac{10}{9}$

20) $m(\angle A) = 40^\circ$, $m(\angle B) = 70^\circ$, $m(\angle C) = 70^\circ$, then it is a ....triangle .

a) right b) Obtuse c) acute d) otherwise

21) $3\frac{2}{6} \times \frac{....}{6} = 3\frac{2}{6}$

a) $\frac{6}{6}$ b) $3\frac{2}{6}$ c) 6 d) $\frac{1}{3}$

22) $\frac{6}{6} \times 2 =$ ....

a) $\frac{6}{6}$ b) $2\frac{1}{6}$ c) 2 d) $\frac{5}{2}$

$3\frac{1}{2}$ hours = ... hours + ... minutes

a) 3 , 30 b) 3 , $\frac{1}{2}$ c) 3 d) 4 , 2

23) $\frac{1}{5} \div 7 =$ ....

a) 1 b) $\frac{1}{35}$ c) 35 d) $\frac{5}{7}$

24) the opposite triangle is ....



a) scalene b) Equilateral c) isosceles d) otherwise

25 Data can be represented by ....

(a) Line plot (b) Pie graph (c) pictograph (d) All of them

26 .... Triangle has 2 acute angles and 1 right angle .

(a) right (b) Obtuse (c) right (d) otherwise

27 the measure of an obtuse angle is .... 90°

(a) < (b) > (c) = (d) otherwise

28 the number of horizontal layer is ....



(a) 3 (b) 4 (c) 5 (d) 10

29 cube has .... Faces .

(a) 12 (b) 6 (c) 0 (d) 8

30 18 months = ... Year

(a) $\frac{18}{12}$ (b) $3\frac{1}{6}$ (c) 3 (d) All of them

31 the simplest form of $4\frac{2}{10}$ is ....

(a) $4\frac{3}{4}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) $2\frac{3}{4}$

32 $\frac{25}{8}$ is equivalent to ....

(a) $2\frac{1}{8}$ (b) $3\frac{1}{25}$ (c) $3\frac{1}{8}$ (d) $\frac{8}{25}$

33 $3\frac{5}{6}$ is equivalent to ....

(a) $2\frac{5}{6}$ (b) $4\frac{1}{25}$ (c) $3\frac{1}{6}$ (d) $\frac{23}{6}$

34 $3\frac{2}{6}$ is equivalent to ....

(a) $2\frac{8}{6}$ (b) $3\frac{1}{6}$ (c) $2\frac{2}{6}$ (d) $\frac{23}{6}$

35 $8\frac{8}{8}$ is equivalent to ....

(a) $9\frac{5}{6}$ (b) $8\frac{1}{8}$ (c) 81 (d) 9

36 $4\frac{2}{10}$ is equivalent to ....

(a) $4\frac{20}{100}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) All of them

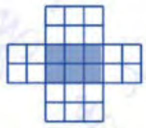
37 m (< A) = 90° , m (< B) = 60° , m (< C) = 30° , then it is a ....triangle .

(a) right (b) Obtuse (c) acute (d) otherwise

38 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3\frac{1}{5}$ - ....

(a) $12\frac{1}{5}$ (b) $4\frac{1}{5}$ (c) $\frac{5}{6}$ (d) $\frac{1}{6}$

39 the volume of this solid is .... Cube units .



(a) 12 (b) 3 (c) 2 (d) 9

40 .... Triangle has 2 acute angles and 1 obtuse angle .

(a) right (b) Obtuse (c) right (d) otherwise

41 the measure of a right angle is .... °

(a) 0° (b) 40° (c) 90° (d) 180°

42 $\frac{4}{6} \times \frac{4}{9} \times \frac{3}{16}$ = ...

(a) $\frac{124}{186}$ (b) $2\frac{2}{16}$ (c) 3 (d) $\frac{1}{18}$

43 $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times$ .... $= \frac{1}{4}$

(a) 4 (b) 2 (c) 3 (d) 1

44 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3 + \frac{1}{5}$ - ....

(a) $12\frac{1}{5}$ (b) $4\frac{1}{5}$ (c) $\frac{5}{6}$ (d) $\frac{1}{6}$

45 $\frac{8}{7} \times 3 = 4 \times \frac{.....}{7}$

(a) 8 (b) 4 (c) 3 (d) 6

46 $\frac{16}{9} \times \frac{3}{4}$ .... $\frac{2}{6} \times \frac{3}{8}$

(a) < (b) > (c) = (d) otherwise

47 m (< G) = 110°, m (< D) = 35°, m (< F) = 35°, then it is an ....triangle

(a) right (b) Obtuse (c) acute (d) otherwise

48 1 - .... = 1

(a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{0}{3}$ (d) 1

49 Length x width x height = ...

(a) Area (b) Perimeter (c) volume (d) Base area

50 $m - \frac{5}{7} = \frac{1}{4}$, then the value of m is ....

(a) $\frac{27}{28}$ (b) $\frac{13}{28}$ (c) $\frac{1}{4}$ (d) $\frac{5}{7}$

51 $\frac{7}{14}$ + e = 1 , then the value of e is ....

ⓐ $\frac{8}{14}$ ⓑ $\frac{1}{2}$ ⓒ $\frac{5}{14}$ ⓓ $\frac{5}{7}$

52 $\frac{11}{16}$ - a = $\frac{1}{4}$, then the value of a is ....

ⓐ $\frac{8}{16}$ ⓑ $\frac{7}{16}$ ⓒ $\frac{10}{12}$ ⓓ $\frac{6}{6}$

53 $\frac{12}{20}$ is equivalent to ....

ⓐ $\frac{8}{10}$ ⓑ $\frac{3}{5}$ ⓒ $\frac{10}{12}$ ⓓ $\frac{6}{5}$

54 4 $\frac{1}{12}$ years = ... years + ... months

ⓐ 4 , 2 ⓑ 4 , $\frac{1}{12}$ ⓒ 4 , 1 ⓓ 4 , 12

55 .... Triangle has 3 acute angles and 0 obtuse angle .

ⓐ right ⓑ Obtuse ⓒ acute ⓓ otherwise

56 the measure of an obtuse angle may be .... °

ⓐ 0° ⓑ 40° ⓒ 90° ⓓ 110°

57 $\frac{3}{4}$ - $\frac{3}{8}$ .... $\frac{7}{25}$ X $\frac{5}{21}$

ⓐ $<$ ⓑ $>$ ⓒ = ⓓ otherwise

58 2 $\frac{2}{6}$ x $\frac{3}{7}$ = ...

ⓐ $\frac{14}{21}$ ⓑ $3\frac{1}{2}$ ⓒ 1 ⓓ $\frac{14}{6}$

59 AB = BC = 6.32 cm , AC is less than them , then it is an ....triangle .

ⓐ scalene ⓑ Equilateral ⓒ isosceles ⓓ otherwise

60 the volume of this solid is .... Cubes.



ⓐ 3 ⓑ 4 ⓒ 5 ⓓ 10

61 the sum of the measures of angles around at a point is equal ....°

ⓐ 270 ⓑ 90 ⓒ 360 ⓓ 180

62 $5\frac{2}{8} + 3\frac{6}{8}$ = ...

ⓐ 9 ⓑ $8\frac{1}{6}$ ⓒ $8\frac{4}{6}$ ⓓ $\frac{4}{6}$

63 6 $\frac{1}{5}$ - 2 $\frac{3}{5}$ = ...

ⓐ $4\frac{4}{5}$ ⓑ $4\frac{2}{5}$ ⓒ $3\frac{3}{5}$ ⓓ $\frac{31}{5}$

64 $3\frac{1}{8} + 2\frac{3}{8}$ = ...

(a) $5\frac{4}{5}$ (b) $5\frac{1}{2}$ (c) $1\frac{4}{8}$ (d) $1\frac{2}{8}$

65 $9\frac{3}{9} - 3\frac{1}{3}$ = ...

(a) $6\frac{2}{3}$ (b) $6\frac{7}{9}$ (c) $6\frac{1}{9}$ (d) 6

66 $3\frac{2}{3} \times \frac{1}{5} = \frac{1}{5} \times 3 + \frac{1}{5}$ x ....

(a) $\frac{2}{3}$ (b) $3\frac{2}{3}$ (c) 3 (d) $\frac{8}{3}$

67 45 minutes = ... Hours

(a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) 1 (d) $\frac{3}{4}$

68 base area x height = ...

(a) Area (b) Perimeter (c) volume (d) Base area

69 .... Triangle has 3 different sides .

(a) scalene (b) Equilateral (c) isosceles (d) otherwise

70 A ....is bounded by an arc and two radii .

(a) Height (b) Pie graph (c) sector (d) Bar graph

71 the colored part represent .... Of the circle .



(a) $\frac{1}{4}$ (b) 0.5 (c) $\frac{3}{4}$ (d) 0.25

72 75 minutes = ... Hours

(a) $\frac{1}{2}$ (b) $1\frac{1}{4}$ (c) 1 (d) $\frac{3}{4}$

73 Which is equal to $6 \times \frac{3}{9}$?

(a) 2 (b) $3 \times \frac{6}{9}$ (c) $18 \times \frac{1}{9}$ (d) all of them

74 $5 + \frac{3}{5} + \frac{2}{5}$ = ...

(a) $5\frac{2}{5}$ (b) 6 (c) $\frac{18}{4}$ (d) 4

75 $\frac{2}{3} + \frac{7}{12} = 1 +$ ....

(a) $\frac{2}{5}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{5}$

76 $\frac{1}{4} + \frac{3}{12} = 1 -$ ....

(a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{5}$

77 $3\frac{3}{4}$ = ... ÷ 4

(a) 12 (b) 4 (c) 3 (d) 15

78 .... = 13 ÷ 5

(a) 2 (b) 5 (c) $2\frac{3}{5}$ (d) 18

79 $\frac{1}{2}$ year = ... Months

(a) 5 (b) 6 (c) 2 (d) 1

80 $\frac{1}{4} + \frac{3}{16}$ = ...

(a) $\frac{7}{16}$ (b) 0 (c) 16 (d) $\frac{4}{20}$

81 $8\frac{1}{6} + 3.5$ = ...

(a) $11\frac{2}{3}$ (b) $11\frac{1}{6}$ (c) $4\frac{2}{3}$ (d) 5

82 volume ÷ height = ...

(a) Height (b) Width (c) volume (d) Base area

83 .... Triangle has 2 same sides and 1 different .

(a) scalene (b) Equilateral (c) isosceles (d) otherwise

84 $4\frac{3}{7}$ + ... = $5\frac{1}{3}$

(a) $9\frac{4}{21}$ (b) $1\frac{16}{21}$ (c) 1 (d) $\frac{19}{21}$

85 $m - 7\frac{2}{12} = 3\frac{1}{4}$, then the value of m is ....

(a) $10\frac{5}{12}$ (b) $3\frac{11}{12}$ (c) 4 (d) $4\frac{1}{8}$

86 $a + 6\frac{4}{12} = 9\frac{3}{4}$, then the value of a is ....

(a) $3\frac{5}{12}$ (b) $15\frac{7}{12}$ (c) 2.5 (d) $16\frac{1}{12}$

87 $5\frac{1}{5} - e = 3\frac{1}{5}$, then the value of e is ....

(a) $2\frac{2}{5}$ (b) $1\frac{3}{5}$ (c) $1\frac{4}{5}$ (d) $8\frac{4}{5}$

88 volume ÷ (length x width) = ...

(a) Height (b) Width (c) volume (d) Base area

89 $24 \div 7 =$ .... $+ 3$

(a) $\frac{3}{3}$ (b) $\frac{1}{8}$ (c) 3 (d) $\frac{3}{7}$

90 $25 \div$ .... $= 6\frac{1}{4}$

(a) 6 (b) $\frac{1}{4}$ (c) 4 (d) $\frac{6}{25}$

91 The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is ....

(a) 18 (b) 6 (c) 3 (d) 2

92 The simplest form of form of $\frac{6}{12}$ is ....

(a) $\frac{1}{2}$ (b) $\frac{2}{3}$ (c) $\frac{5}{6}$ (d) $\frac{12}{6}$

93 Estimate the sum of $\frac{1}{6} + \frac{7}{8}$ using benchmarks, ...

(a) $\frac{25}{24}$ (b) 1 (c) $\frac{1}{2}$ (d) 0

94 $\frac{2}{6}$ x 3 = ...

(a) $\frac{5}{6}$ (b) 1 (c) 36 (d) $\frac{12}{3}$

95 volume ÷ (length x height) = ...

(a) Height (b) Width (c) volume (d) Base area

96 the measure of this central angle is ....°



(a) 360 (b) 270 (c) 90 (d) 180

97 the measure of an obtuse angle .... the measure of a right angle

(a) < (b) > (c) = (d) otherwise

98 $\frac{1}{6}$ year = ... Months

(a) 5 (b) 6 (c) 2 (d) 1

99 the angle whose vertex is the center of the circle is called ....angle .

(a) Centeral (b) Circular (c) right (d) Straight

100 $\frac{2}{8} + \frac{6}{8} =$ ....

(a) $\frac{4}{6}$ (b) $\frac{2}{3}$ (c) 1 (d) $\frac{6}{8}$

101 If the volume of a cuboid = 30 cm^3 and base area = 15 cm^2 , then it's height is .... Cm

(a) 5 (b) 2 (c) 15 (d) 150

102 $4 \div \frac{1}{4}$ .... $\frac{1}{4} \div 4$

(a) < (b) > (c) = (d) otherwise

103 $\frac{1}{...?...} = \frac{8}{24}$

(a) 0 (b) 2 (c) 3 (d) 1

104 $1\frac{1}{8}$ day = ... hours

(a) 24 (b) 8 (c) 27 (d) 2

105 .... $\div \frac{1}{6} = 24$

(a) 4 (b) $\frac{1}{4}$ (c) 36 (d) $\frac{6}{24}$

106 The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is ....

(a) 7 (b) 35 (c) 5 (d) $\frac{6}{35}$

107 $\frac{1}{4} \div \frac{1}{2}$ = ...

(a) 4 (b) $\frac{1}{4}$ (c) 8 (d) $\frac{1}{2}$

108 $10 \div \frac{1}{5}$ = ...

(a) 2 (b) $\frac{1}{5}$ (c) 50 (d) $\frac{5}{10}$

109 $1 - \frac{3}{5} - \frac{2}{5}$ = ...

(a) 0 (b) 2 (c) $\frac{5}{5}$ (d) 1

110 $\frac{2}{5} = \frac{.....}{15}$

(a) 0 (b) 2 (c) 3 (d) 6

111 $\frac{1}{...?...} = \frac{12}{24}$

(a) 0 (b) 2 (c) 3 (d) 1

112 $8 \div \frac{1}{4}$ .... $4 \div \frac{1}{8}$

(a) < (b) > (c) = (d) otherwise

113 $\frac{1}{5} + \frac{2}{3}$ = ...

(a) $\frac{13}{15}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$

114 ....+ $\frac{5}{8} = 1$

(a) $\frac{4}{8}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$

115 .... + $\frac{5}{10}$ = 1

ⓐ $\frac{1}{2}$ ⓑ $\frac{5}{10}$ ⓒ $\frac{4}{8}$ ⓓ all of them

116 1 - .... = 0

ⓐ $\frac{1}{2}$ ⓑ $\frac{10}{10}$ ⓒ $\frac{2}{3}$ ⓓ 0

Question 02 complete

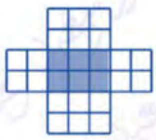
1. the number of vertical layer is ....2..........



2. $\frac{3}{12}$ x $\frac{3}{8}$ x $\frac{2}{6}$ = ...$\frac{1}{32}$..........
3. scalene triangle has 3 ....different.......... sides .
4. $4\frac{4}{8}$ x $\frac{...8...}{8}$ = $4\frac{1}{2}$
5. $\frac{2}{8}$ x 3 x $\frac{2}{6}$ = ...$\frac{1}{4}$.........
6. $\frac{100}{100}$ x $5\frac{6}{12}$ = ...$5\frac{6}{12}$...........
7. $3\frac{2}{5}$ x 5 = 5 x ......$\frac{17}{5}$........
8. $\frac{2}{5}$ x 3 = 6 x .....$\frac{1}{5}$........
9. $\frac{3}{2}$ x $\frac{12}{24}$ = ...$\frac{3}{4}$.........
10. the figure name is .....cylinder.........

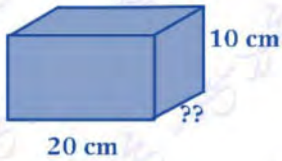


11. $\frac{2}{11}$ x .....$\frac{3}{2}$...... = $\frac{3}{11}$
12. ......$\frac{6}{2}$...... x $\frac{3}{8}$ x $\frac{2}{6}$ = $\frac{3}{8}$
13. $\frac{2}{3}$ x ......$\frac{3}{4}$..... = $\frac{6}{12}$
14. Volume = ...3.....x...2.....x....2.....



15. .....$\frac{2}{4}$...... x $\frac{5}{6}$ = $\frac{10}{24}$
16. ....acute.............. Triangle has 3 acute angles and 0 right angle .
17. $\frac{3}{5}$ x 1.5 x 30 = ...27.........

18. if the volume = 1200 cm3 , then the missing dimension is ....6......cm



19. $\frac{4}{11}$ x ......3.5..... = $\frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$

20. $3\frac{3}{5}$ x ......$\frac{5}{18}$...... = 1

21. $3\frac{2}{3} \times \frac{1}{5}$ = ...$\frac{1}{5}$..... x 3 + ...$\frac{1}{5}$...... x $\frac{2}{3}$

22. 15 minutes = ...$\frac{1}{4}$........ Hours

23. ......30........ minutes = $\frac{1}{2}$ Hours

24. 2 ÷ 4 = ...$\frac{2}{4}$.........

25. 23 ÷ 4 = ...$5\frac{3}{4}$.........

26. 34 ÷ 5 = 6 + ... $\frac{4}{5}$.....

27. 40 ÷ ......9...... = $4\frac{4}{9}$

28. 18 ÷ $\frac{1}{2}$ = 18 x ....2......

29. the measure of this central angle is ......180......°



30. $\frac{4}{11}$ x ......4..... = $\frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$

31. d ÷ $\frac{1}{5} = \frac{1}{2}$, then d = ...$\frac{1}{10}$.........

32. $\frac{1}{7}$ ÷ n = $\frac{1}{21}$, then n = ...3........

33. 6 ÷ f = 24 , then f = ...$\frac{1}{4}$........

34. Any triangle has at least ....2........ Acute angles .

35. Volume of  is ....4........ Cube units .

36. ....acute.............. Triangle has 3 acute angles .

37. $\frac{1}{6} + \frac{3}{6}$ = ... $\frac{2}{3}$.... In simplest form

38. color $\frac{1}{4}$ of the circle .



39. the measure of a right angle is ......equal............ 90°

40. the sum of all decimals in one circle = ...1.....

41. the measure of an obtuse angle is ......more than............ 90°

42. the triangle has .....3....sides and .....3.....angles

43. The simplest form of form of $\frac{2}{24}$ is ...... $\frac{1}{12}$.......

44. the Area of the opposite figure is ...21... square units



45. the sphere has ......0.... vertex .

46. the measure of an acute angle is .....less than............. 90°

47. $\frac{2}{6}$ x 2.5 = ...$\frac{5}{6}$........

48. ......face.............is a flat surface of a solid figure .

49. $\frac{5}{8}$ x 0.4 = ...$\frac{1}{4}$........

50. ......equilateral....... Triangle has 3 equal sides .

51. volume ÷ base area = ...height......

52. volume ÷ (width x height) = ...length..........

53. $\frac{2}{3}$ year = ...8........ Months

54. If the volume of a cuboid = 400 cm3, it's length = 10 cm , it's height = 5 cm, then it's width is ....8....... Cm

55. A ....circular sector........is a part of a circular region .

56. the colored part represent ......$\frac{3}{4}$...... Of the circle



57. Color $\frac{1}{2}$ of the circle .



58. $30 \div \frac{1}{3}$ = ...90...........

59. ......5...... $\div \frac{1}{5}$ = 25

60. the sum of all fractions in one circle = ...1.....

61. 7 $\frac{8}{8}$ is equivalent to ....8.........

62. 90 seconds = ...1 $\frac{1}{2}$...... minutes

63. The smallest same denominator of $\frac{1}{4}$ and $\frac{3}{8}$ is ....8.........

(64) $\frac{1}{...4....} = \frac{2}{8}$

(65) color $\frac{1}{8}$ of the circle .



(66) The LCM of denominators of $\frac{4}{5}$ and $\frac{2}{25}$ is ....25..........

(67) $\frac{6}{9} - \frac{3}{9}$ = ... $\frac{1}{3}$........... In simplest form

(68) .... $\frac{7}{9}$... + $\frac{2}{9}$ = 1

(69) ABC is an equilateral triangle where AB = 4 cm , then AC = ..4..And BC = ..4..

(70) 3 + $\frac{1}{8}$ + $\frac{7}{8}$ = ...4...........

(71) R − $\frac{2}{6}$ = $\frac{1}{3}$, then the value of R is ... $\frac{2}{3}$.....

(72) $\frac{1}{4}$ + $\frac{3}{4}$ = 1 − ......0.....

(73) $\frac{1}{12}$ year = ...1........ Months

(74) $2\frac{1}{4}$ hours = ...2...... hours + ...15........ minutes

(75) 24 months = ...2........ Year

(76) 120 seconds = ...2.......... minutes

(77) $\frac{3}{2}$ x 2 = ...3......

(78) $2\frac{2}{5}$ x 3 = ...$7\frac{1}{5}$ ....

(79) $\frac{8}{9}$ x 0.125 = ...$\frac{1}{9}$.........

(80) 1 − $\frac{3}{8}$ − $\frac{2}{8}$ = ... $\frac{3}{8}$......

Question 03 Answer the following questions

(1) find the volume of this solid .



V = L x W x H ,,, V = 20 x 3 x 4 = 240 cm^3

(2) Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money . What fraction of money does Mohamed save ?

$\frac{1}{3} + \frac{2}{7} = \frac{13}{21}$ ---- $1 - \frac{13}{21} = \frac{8}{21}$ of his money

3 Yara's garden consists of $\frac{3}{8}$ poppies , $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden ?

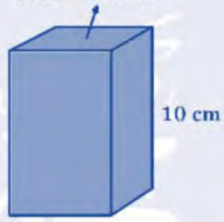
$\frac{3}{8} + \frac{1}{4} = \frac{5}{8}$ --- $1 - \frac{5}{8} = \frac{3}{8}$

4 Besan collected $6\frac{2}{7}$ of honey . She gave his sister Sandy $3\frac{3}{4}$ kg of them . How many kilograms are left ?

$6\frac{2}{7} - 3\frac{3}{4} = 2\frac{15}{28}$

5 Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes . Write their fractions with like denominators .

$\frac{10}{12}$, $\frac{9}{12}$



6 find the volume of this solid .

V = B.A x H ,,,, $V = 12 \times 10 = 120\ cm^3$

7 Lena ate $1\frac{3}{4}$ kg of fruits , Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin . How many kilograms did Jana eat ?

yasin = $1\frac{3}{4} + \frac{1}{5} = 1\frac{19}{20}$ kg

Jana = $1\frac{19}{20} - \frac{3}{10} = 1\frac{13}{20}$ kg

8 Seif studied MATH for $3\frac{1}{4}$ hours and science for 30 minutes . How many hours did Seif study in all ?

$3\frac{1}{4} + \frac{1}{2} = 3\frac{3}{4}$ hours

9 Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom . How many rose bushes are in bloom ?

$\frac{1}{3} \times 9 = 3$ rose bushes

10 Maya ate $\frac{1}{4}$ of 24 candies . How many candies are left ?

$\frac{3}{4} \times 24 = 18$ candies

11 write three different multiplication expressions that have the same product as $5 \times \frac{4}{8}$

$4 \times \frac{5}{8}$, $\frac{4}{8} \times 5$, $20 \times \frac{1}{8}$

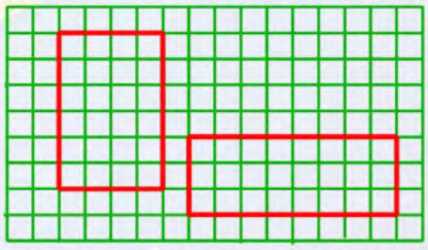
12 Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter . How much money did Dareen pay ?

$\frac{4}{5}$ x $3\frac{1}{8}$ = 2.5 LE

13 Mohamed bought 3 bags of meat . Each bag has a mass of $2\frac{1}{9}$ kg . If he gave $4\frac{2}{3}$ kg to Rozana . How many kilograms left ?

$3 \times 2\frac{1}{9} = 6\frac{1}{3}$ kg ➡ $6\frac{1}{3} - 4\frac{2}{3} = 1\frac{2}{3}$ kg

14 **Draw two different rectangles with an area 24 square units .**



15 A rectangular room of $1\frac{1}{4}$ m wide and 4 m longe . Find the area .

$4 \times 1\frac{1}{4} = 5$ square meter

16 Mr Mahmoud Elkholy is reading achapter book in MATH . He can read $10\frac{2}{3}$ pages in 1 hour . How many pages will he read in 15 minutes ?

15 min = $\frac{1}{4}$ hours ➡ $10\frac{2}{3} \times \frac{1}{4} = 2\frac{2}{3}$ pages

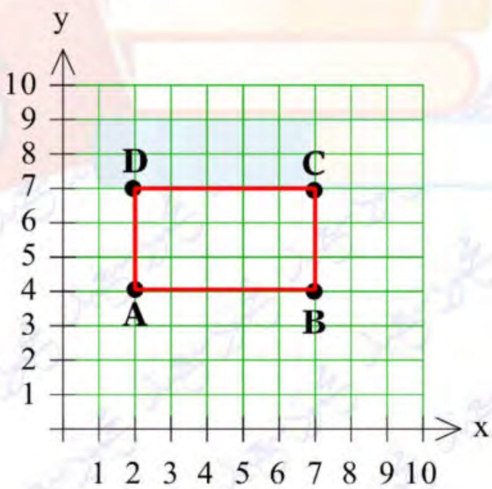
17 If the price of 16 candies 26 L.E. .find the price of each one .

$26 \div 16 = 1\frac{5}{8}$ LE

Plot the points on the coordinate plane :

18 A(2 , 4) B (7 , 4) C(7 , 7) D (2 , 7)

- what is the name of the figure ABCD ? Rectangle
- what is the length of AB ? 5
- what is the length of BC ? 3
- CD // ....BA......
- AB is perpendicular to .....BC.....



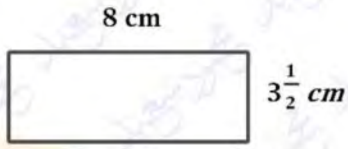
19 How many $\frac{1}{6}$ cup in 6 cups of chocolate ?

$6 \div \frac{1}{6} = 36$ cups

20 Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes . To how many students will he be able to give candies ?

$9 \div \frac{1}{5} = 45$ students

21 <u>Find the area of the opposite rectangle .</u>



$8 \times 3\frac{1}{2} = 28$ square cm

22 Sofian wants to design a cuboid room of volume 12,000,000 cm3 , it's length = 300 cm and it's height = 200 cm, find it's width .

W = V ÷ (L x H) ,,, W = 12,000,000 ÷ (300x 200) = 200 cm

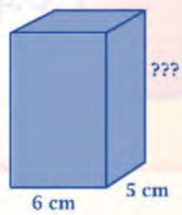
23 A cuboid with a square base it's length 20 cm . 24000 cm3 oil was poured into it . What is the height of the oil ?

H = V ÷ (L x W) ,,, H = 24000 ÷ (20 x 20) = 60 cm

24 MR Mahmoud Elkholy walked $1\frac{1}{2}$ km and his student Ebrahim walked $2\frac{3}{5}$ km more . What distance that Ebrahim walked ?

$1\frac{1}{2} + 2\frac{3}{5} = 4\frac{1}{10}$ km

25 if the volume = 300 cm3 , find the height of this solid .

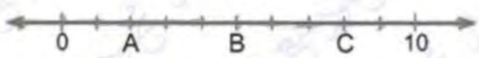


H = V ÷ (L x W) ,,, H = 300 ÷ (6 x 5) = 10 cm

26 Samira studied MATH for $1\frac{1}{2}$ hours and scince for 40 minutes . How many minutes did Samira study in all ?

$1\frac{1}{2} \times 60 = 90$ min \\ 90 + 40 = 130 min

27 Answer with the number line .



- what is the value of A ? <u>2</u>
- what is the value of B ? <u>5</u>
- what is the value of C ? <u>8</u>
- what is the distance between A and C ? <u>6</u>

28 **The opposite figure shows the fraction of time that Eyad spends in studying subjects . He studied 20 hours .**



– what's the decimal of the time that Eyad spends in studying Maths ? 0.3

– what's the fraction of the time that Eyad spends in studying Maths ? $\frac{3}{10}$

– what's the measure of the central angle of science ? 36 °

– what's the measure of the central angle of Arabic ? 90 °

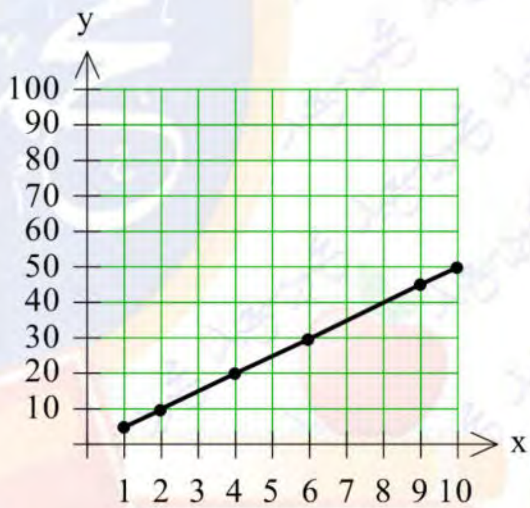
– How many hours did he study English ? 4 HOURS

– How many hours did he study Arabic ? 5 HOURS

– How many hours did he study science ? 2 HOURS

29 Ahmed's car consumes 1 Liter of petrol to cover 5 km , complete the table and graph the points on the grid .

Petrol	Distance
1	5
2	10
4	20
6	30
9	45
10	50



– How many liters are needed to cover 40 km ? 8 L

– 12 liters can be consumed to cover .....60...... Km

30 **Represent these data by the opposite pie chart .**

Rate	excellent	good	pass	weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

– If the total number of students is 100 students ,

1– find the number of good students . 50 students

2– find the number of pass students . 25 students

3– find the number of week students . 10 students

4– find the number of excellent students . 15 students



(31) In the opposite circle . This represents 80 students .

- Shade $\frac{1}{2}$ of the circle green .
- Shade $\frac{1}{8}$ of the circle red .
- Shade $\frac{1}{4}$ of the circle blue .
- Shade $\frac{1}{8}$ of the circle yellow .



- what decimal of the group is blue ? 0.25
- what decimal of the group is green ? 0.5
- what decimal of the group is red ? 0.125
- How many students do the green represent ? $\frac{1}{2}$ X 80 = 40 students
- How many students do the blue represent ? $\frac{1}{4}$ X 80 = 20 students
- How many students do the yellow and red represent ? $\frac{1}{4}$ X 80 = 20 students

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Second term revision

First Question: Choose the correct answer :

1. The smallest like deminator of $\frac{5}{6}$ and $\frac{1}{3}$ is ....
   (A) 18 (B) 6 (C) 3 (D) 2

2. The simplest form of $\frac{6}{12}$ is ....
   (A) $\frac{1}{2}$ (B) $\frac{2}{3}$ (C) $\frac{5}{6}$ (D) $\frac{12}{6}$

3. $\frac{5}{6} \times 3 =$ ....
   (A) $\frac{5}{6}$ (B) 1 (C) 36 (D) $\frac{12}{3}$

4. its is ipossible to draw a triangle with two ....angles .
   (A) acute (B) right (C) obtuse (D) both b and c

5. $\frac{1}{3} \div 4 =$ ....
   (A) 12 (B) $\frac{4}{3}$ (C) $\frac{3}{4}$ (D) $\frac{1}{12}$

6. $7\frac{3}{4}$ hours = ... hours + ...minute [s] .
   (A) 7 , 30 (B) 7 , $\frac{1}{2}$ (C) 7 , 15 (D) 7 , 45

7. The triangle whose side lengths are ....is an isosceles triangle .
   (A) 4 , 5 , 3 cm (B) 4 , 4 , 5 cm (C) 3 , 5 , 6 cm (D) 2 , 3 , 4 cm

8. The fraction $2\frac{1}{7}$ by regrouping is ....
   (A) $1\frac{8}{7}$ (B) $2\frac{8}{7}$ (C) $1\frac{1}{14}$ (D) $1\frac{7}{8}$

9. The fraction $\frac{15}{20}$ in simplest form is ....
   (A) $\frac{3}{5}$ (B) $\frac{5}{4}$ (C) $\frac{3}{4}$ (D) $\frac{4}{3}$

FREE PALESTINE

(10) $\frac{3}{4} + \frac{1}{2} =$ ....

(A) $\frac{4}{6}$ (B) $\frac{3}{8}$ (C) $\frac{1}{4}$ (D) $1\frac{1}{4}$

(11) If $\frac{1}{3} \div$ a $\frac{1}{12}$, then a = ...

(A) 4 (B) $\frac{1}{4}$ (C) $\frac{4}{3}$ (D) 36

(12) If m (< X) = 90°, (< Y) =30° and (< Z) = 60° , then the triangle is .... angled triangle .

(A) an acute (B) an obtuse (C) a right (D) otherwise

(13) The measure of central angle of the colored circular sector = ...°

(A) 180 (B) 45

(C) 60 (D) 90



(14) $\frac{3}{4} + \frac{3}{8} =$ ....

(A) $2\frac{1}{8}$ (B) $1\frac{1}{8}$ (C) $\frac{3}{4}$ (D) $\frac{6}{8}$

(15) $4\frac{3}{5} =$ ....

(A) $\frac{23}{5}$ (B) $\frac{20}{5}$ (C) $\frac{12}{5}$ (D) $\frac{15}{5}$

(16) A square its side length 3 cm ,then its area = ...cm^2

(A) 12 (B) 6 (C) 9 (D) 27

(17) The triangle where one of its angles is 95° is called ....-angled triangle .

(A) an acute (B) a right (C) an obtuse (D) an equilateral

(18) The point (0 , 3) lies on ....

(A) X-axis (B) Y-axis (C) origin point (D) otherwise

(19) The triangle where its side lengths are 5 cm , 6 cm , 5 cm is called .... triangle.

(A) scalene (B) equilateral (C) isosceles (D) right angled

FREE PALESTINE

20) Themeasure of the angle which represents $\frac{1}{6}$ of the circle = ...°

A) 60 B) 90 C) 180 D) 360

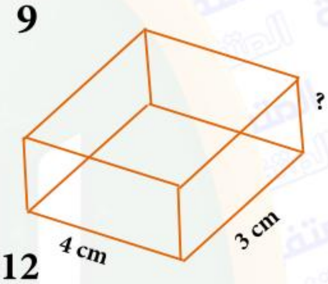
21) $\frac{1}{2} - \frac{1}{5} =$ ....

A) $\frac{3}{10}$ B) $\frac{1}{3}$ C) $\frac{2}{10}$ D) $\frac{2}{3}$

22) $4 \times \frac{2}{9} =$ ....

A) $\frac{8}{36}$ B) $\frac{2}{36}$ C) $\frac{8}{9}$ D) $\frac{6}{9}$

23) In the opposite figure :
The volume of cuboid is 24 cm²
,then the missing dimension is ....cm.



A) 2 B) 6 C) 8 D) 12

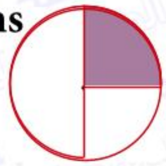
24) The type of triangle which the measure of its angles are 50o , 60o , 70o is .... triangle .

A) acute B) right C) obtuse D) isosceles

25) A hole of shape of cuboid the length of its base 6 meters and its width is $\frac{1}{2}$ meter , then the area of its base = ... m².

A) $\frac{1}{6}$ B) $\frac{1}{2}$ C) 3 D) 2

26) The opposite figure represents 40 persons participate in a survey , then the number of persons of who represents shaped part is ....persons



A) 40 B) 30 C) 20 D) 10

27) Ayman bought $\frac{3}{8}$ kilogram of apple and $\frac{1}{4}$ kilogram of banana, then the total weight of kilograms of apple and banana equivalent ....

A) $\frac{3}{8} + \frac{2}{8}$ B) $\frac{3}{2} + \frac{2}{4}$ C) $\frac{3}{2} \times \frac{1}{4}$ D) $\frac{3}{8} - \frac{1}{4}$

28) Area of rectangle = ...

A) L + W B) L × W C) L ÷ W D) W ÷ L

FREE PALESTINE

29. In the triangle ABC ,AB = BC= 5 cm , AC =3 cm , then the triangle is ....

(A) isosceles (B) equilateral (C) scalene (D) right

30. Which of the following is called the origin point ?

(A) (1 , 0) (B) (0 , 1) (C) (1 , 1) (D) (0 , 0)

31. The point .... lies on x-axis.

(A) (0 , 5) (B) (1 , 5) (C) (5 , 1) (D) (5 , 0)

32. $6 \times 2\frac{5}{8}$ = ...

(A) $15\frac{3}{4}$ (B) $12\frac{5}{8}$ (C) $14\frac{3}{8}$ (D) $15\frac{3}{8}$

33. Which of the following is correct ?

(A) $\frac{1}{5} = \frac{2}{7}$ (B) $\frac{2}{3} = \frac{10}{15}$ (C) $\frac{1}{5} = \frac{3}{7}$ (D) $\frac{1}{2} = \frac{4}{5}$

34. The number of third in one is ....

(A) 1 (B) 2 (C) 3 (D) $\frac{1}{3}$

35. In Δ ABC , m(<A) = 50° , m(<B) = 60° and m(<C) = 70° , then the triangle is ....angled triangle .

(A) an acute (B) a right (C) an obtuse (D) an isosceles

36. $\frac{1}{5} \div 4$ = ...

(A) $\frac{4}{5}$ (B) $\frac{5}{4}$ (C) 20 (D) $\frac{1}{20}$

37. $1\frac{2}{3} + 3\frac{1}{6}$ = ...

(A) $4\frac{5}{6}$ (B) $4\frac{5}{12}$ (C) $\frac{5}{6}$ (D) $3\frac{5}{6}$

38. $\frac{9}{10}$ .... $\frac{2}{5}$

(A) < (B) > (C) = (D) ≥

FREE PALESTINE

39) $4\frac{3}{5} - 2\frac{1}{5} =$ ....

A) $2\frac{2}{5}$　B) $2\frac{2}{5}$　C) $\frac{2}{5}$　D) $6\frac{4}{5}$

40) If 5 ÷ a = 15, then a = ...

A) $\frac{1}{3}$　B) $\frac{1}{15}$　C) $\frac{3}{3}$　D) 3

41) $5\frac{4}{8} = 5\frac{\dots\dots}{2}$

A) 1　B) 4　C) 8　D) 40

42) $6 \div \frac{1}{2} =$ ....

A) 12　B) 3　C) 6　D) 2

43) $3 \times \frac{2}{3} =$ ....

A) 6　B) 9　C) 2　D) 18

44) $\frac{1}{3} = \frac{\dots\dots}{9}$

A) 3　B) 1　C) 27　D) 7

45) In Δ ABC , m(<A) = 50º , m(<B) = 60º and m(<C) = 70º , then the triangle is ....angled triangle .

A) an acute　B) a right　C) an obtuse

46) $2\frac{1}{3} \times 5 = [2 \times 5] + [\ \dots\dots\dots \times 5\ ]$

A) 2　B) $\frac{1}{3}$　C) 10　D) 15

47) The L.C.M of denominators of $\frac{1}{2}$ and $\frac{3}{10}$ is

A) 1　B) 2　C) 5　D) 10

48) In the equilateral triangle LMN , LM =MN = 5 cm, then LN = ...cm.

A) 5　B) 10

C) 15　D) 3



FREE PALESTINE

49) If $\frac{5}{8} = \frac{x}{40}$, then x = ...

A) 37 B) 25 C) 40 D) 80

50) $\frac{3}{7} + \frac{4}{7}$ = ...

A) 1 B) 4 C) 3 D) 7

51) The point (0 , 4) lies on ....-axis

A) X B) Y C) L D) M

52) The volume of cube with side length 3 cm = ...cm^3

A) 3 B) 9 C) 27 D) 30

53) The perimeter of square with side length 10 cm = ...cm

A) 10 B) 40 C) 20 D) 30

54) The origin point on the coordinate plane is ....

A) 0 B) (0 , 0) C) (4 , 0) D) (1 , 3)

55) The triangle whose side lengths are 5 cm , 3 cm , 5 cm is called ....triang

A) isosceles B) equilateral C) scalene D) otherwise

56) $2 \times \frac{1}{2}$ =...............

A) 1 B) 4 C) 2 D) 8

57) The .... has one vertex

A) cube B) cylinder C) cone D) sphere

58) $5\frac{5}{8} - 3\frac{2}{8}$ = ...

A) $8\frac{2}{8}$ B) $\frac{2}{8}$ C) $2\frac{1}{4}$ D) $2\frac{3}{8}$

59) $\frac{1}{4}$ year = ... months

A) 2 B) 4 C) 3 D) 6

60) If the side lengths of the triangle are equal , then is called ....triangle .

A) a scalene B) an isosceles C) an equilateral D) otherwise

61) The point (0 , 3) lies on ....

A) x-axis B) y-axis C) origin point D) otherwise

62) The solid which has no rdges , no faces , no vertics is called ....

A) cube B) sphere C) cone D) cuboid

63) $3 \times \frac{1}{5} =$ ....

A) $\frac{1}{5}$ B) $3\frac{1}{5}$ C) $\frac{3}{5}$ D) $3\frac{3}{5}$

64) The measure of an obtuse angle .... the measure of a right angle.

A) $<$ B) $=$ C) $>$ D) $\leq$

65) The smallest like denominator for the fractions $\frac{1}{5}$ and $\frac{1}{4}$ is ....

A) 4 B) 5 C) 9 D) 20

66) The area of the opposite figure = ... cm²


7 cm
7 cm

A) 7 B) 14

C) 49 D) 28

67) If $3\frac{1}{5} + b = 5\frac{3}{5}$, then the value of b is ....

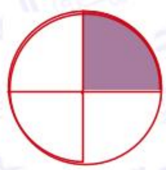
A) $2\frac{2}{5}$ B) $2\frac{4}{5}$ C) $2\frac{3}{5}$ D) $\frac{1}{5}$

68) $2\frac{1}{6}$ hours = ...minutes

A) 120 B) 130 C) 160 D) 180

69) The circular degree of the shaded part is ....

A) 180° B) 45° C) 60° D) 90°



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70) $\frac{5}{8} + \frac{1}{4} =$ ....

A) $\frac{7}{8}$ B) $\frac{6}{8}$ C) $\frac{4}{4}$ D) $\frac{6}{4}$

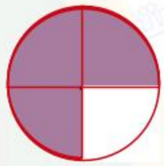
71) A square has ....right angles .

A) 3 B) 4 C) 5 D) 6

72) The horizontal number line on a coordinate plane is called ....

A) origin B) x-axis C) orderd pair D) y-axis

73) The shaded part represents .... of the circle .

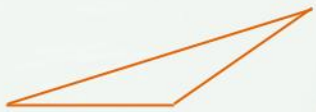


A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{3}{4}$ D) $\frac{2}{3}$

74) $1\frac{2}{3} - \frac{1}{2} =$

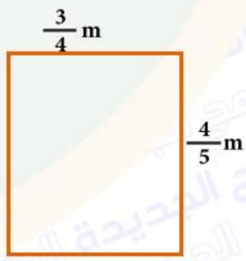
A) $1\frac{1}{5}$ B) $1\frac{2}{6}$ C) $1\frac{3}{5}$ D) $1\frac{1}{6}$

75) The opposite triangle is .... angled triangle .



A) an acute
B) an obtuse
C) an right
D) an equilateral

76) The area of the opposite rectangle = ... m^2



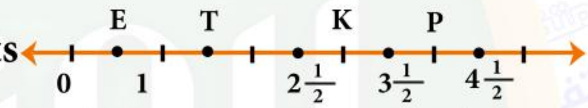
A) $\frac{7}{9}$
B) $\frac{1}{2}$
C) $\frac{3}{4}$
D) $\frac{3}{5}$

Second Question: Complete the following :

1. The number of edges in a cube is ....
2. Two persons share half a kg of banana equally , each person takes............
3. If $1\frac{3}{11} + Y = 4\frac{6}{11}$, then Y = ...
4. $\frac{5}{4} \times \frac{5}{32} =$ .... [in the simplest form]
5. The circular degree that match the fraction of the circle that is shaded = ...°



6. In the ordered pair (5 , 7) , the x-coordinate is ....
7. The distance between K and E = ... units



8. The volume of cuboid with diensions 7 cm , 2 cm , 5 cm = ...cm^3
9. If $\frac{4}{5} \times \frac{1}{2} = \frac{2}{5}$,then $\frac{1}{2} \times \frac{4}{5}$ =..................
10. The fraction represents shaded part = ...



11. $\frac{2}{3}$ of 9 = ...
12. $3\frac{1}{4} \times \frac{1}{2}$ = (3 + ...) $\times \frac{1}{2}$
13. The triangle of side lengths 5 cm , 3 cm , 5 cm is called an .... triangle.
14. The cone has .... vertex .
15. Area of a rectangle of length $\frac{3}{4}$ cm , width $\frac{2}{5}$ cm = ...cm^2
16. Simplest form $\frac{15}{27}$ is ....
17. $1 - \frac{5}{7}$ = ...
18. $\frac{1}{2}$ hour = ... minutes
19. $2\frac{1}{5} \times 3$ = ...
20. In the equilateral triangle LMN , LM =MN = 6 cm , then LN = ... cm

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21. The volume of cuboid of dimensions 10 m , 3 m , 3 m is .... m^3

22. In the triangle ABC , AB = AC = 7cm , AC = 4cm , then the triangle is ....

23. $3\frac{1}{2} + 2\frac{1}{3}$ = ...

24. The L.C.M of denominators of $\frac{3}{7}$ and $\frac{1}{3}$ is

25. $\frac{1}{2} + \frac{1}{3}$ = ...

26. $\frac{1}{6} \div 3$ = ...

27. $\frac{1}{5} \times$ .... = 1

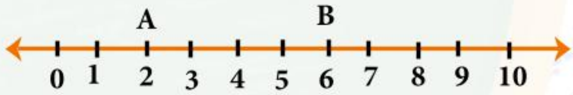
28. The origin point is (............... , ...)

29. $6\frac{1}{2}$ years = 6 years and .... months .

30. The triangle whose sides are equal in length is called a/an .... triangle .

31. $\frac{15}{4} = 3\frac{\dots\dots}{\dots\dots}$

32. The value of A on the opposite number line is ....



33. $5 \div \frac{1}{2}$ = ...

34. The L.C.M of denominators of $\frac{1}{3}$ and $\frac{1}{7}$ is ....

35. The volume of cuboid 100 cm^3 , its width 5 cm , its height 2 cm ,then its length = ... cm.

36. In Δ ABC , AB = 5 cm , BC = 7 cm and AC = 3 cm , then the triangle is ....

37. $\frac{1}{3}$ of 3 = ...

38. The product of $\frac{4}{5}$ and $\frac{3}{3}$ is ....

39. If $\frac{1}{2} \times b = \frac{5}{6}$, then b = ...

40. The point (0 , 3) lies on .... axis

41. $\frac{1}{3} \times$ .... = 1

42. The area of square with side length 9 cm = ... cm^2

43. The point (3 , 0) lies on ....-axis

44. The measure of whole circle = ...°

45. If the area of square = 64 cm^2 , then its side length = ...

46. $3\frac{1}{2} + 2\frac{1}{2}$ = ...

47. $\frac{1}{4} \times$ .... = 2

48. Half of one day = ... hours .

49. In the opposite figure :
The fraction that represents the shaded part is ....



50. $\frac{1}{5}$ of 10 squares = ... squares

51. In the equation : $r - 1\frac{2}{7} = 5\frac{1}{7}$, the value of r = ...

52. The L.C.M for the denominators of two fraction $\frac{7}{15}$ and $\frac{3}{10}$ is ....

53. In the ordered pair (4 , 7) , the X - coordinate is ....

54. The angle of measure less than 90° is called ....angle .

55. 3 ÷ .... = 6

56. The triangle with equal sides is called .... triangle .

57. In the equilateral triangle , if the lengths of two sides are 5 cm and 5 cm , then the length of the third side = ... cm .

58. The volume of rectangular prism = [length × Width] × ....

59. The x-coordinate of (4 , 6) is ....

60. $4\frac{1}{5} \times 3$ = [4 + ...] × 3

61. The triangle which has 3 sides different is called .... triangle

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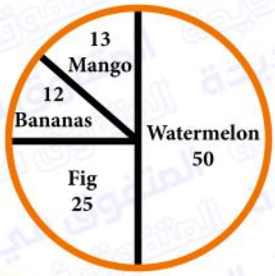
62. If $a = 6\frac{2}{7} + 3\frac{3}{7}$, then a = ...

63. $\frac{2}{5} = \frac{......}{15}$

64. $1 - \frac{3}{4}$ = ...

Third Question: Answer the following questions

1. The opposite figure shows a survey for the faourite fruits of a group of people .



- The number of people who took the survey = ...
- The fraction that represents watermelon = ...[S.F]
- The decial that represents fig = ...

2. Omar owns a car park . The parking length is 3 m. long and the width is $2\frac{1}{2}$ m. What is the area of the parking ?

....

....

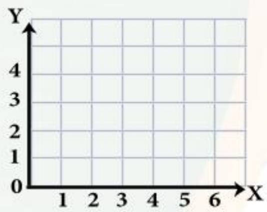
3. Find the unknown dimension in the opposite figure If you know that volume = 72 m^3



....

....

4. Plot the points on the xy-plane :
A (1 , 4) , B (1 , 1) , C (6 , 1)
, then join these points Name resulted shape ....
Its type is .... , because m [< ....] = 90°



....

....

5. Find the result : $\frac{3}{5} \times 1.5$ = ...

....

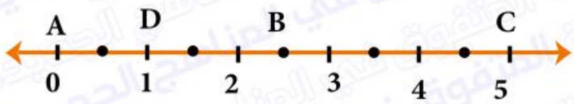
....

6. Amal studies Math for $3\frac{1}{2}$ hours , and English for 20 minutes. How many hours did Amal study ?

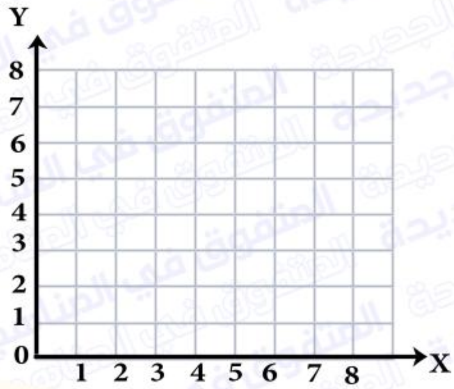
....

....

7. Write the distance between B and D using the given number line
BD = ...length units.



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(8) In the opposite coordinate plane :

- Graph the figure ABCD ,where A (3 , 2) , B (3 , 5) ,C (6 , 5) and D (6 , 2)
- What is the length of AD ?

AD = ...unit length

(9) Ali studied Arabic $3\frac{1}{2}$ hours and Science for $2\frac{1}{2}$ hours . How many hours did study in all ?

....

....

(10) Find the area of rectangle of length $\frac{3}{10}$ m and width 2 m.

....

....

(11) $2\frac{1}{2} - 1\frac{1}{4} =$ ....

....

....

(12) Yasser has 30 feddans of agriculture land , he planting $\frac{5}{6}$ of the land . What is the number of feddans planting ?

....

....

(13) Sanaa bought an amount of flour she used $\frac{2}{3}$ of it the remaining is 200 grams. What is the total amount of flour ?

....

....

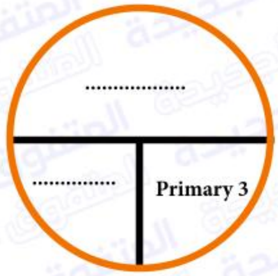
(14) A swimming poot the length of its base is 50 meters , the width is 20 meters and the height is 3 meters . Find the volume of the swimming pool.

....

....

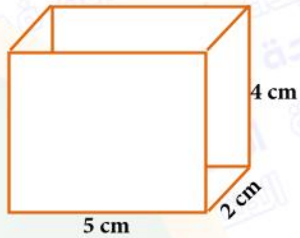
15 Complete the pie chart using the following table :

Primary 1	Primary 2	Primary 3
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$



16 Volume = ... × .... × ....

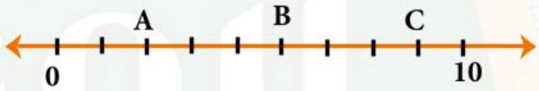
= .... cm^3



17 Use the number line to answer the questions :

What is the value of B ?

How far is point C from point A ?



....

....

18 Omar ate $\frac{1}{4}$ of the pie , and Reham ate $\frac{1}{5}$ of the same pie ,What is the total of what Omar and Reham ate ?

....

....

19 There are 5 kilograms of flour .A worker divides the flour into packages of $\frac{1}{4}$ kg.

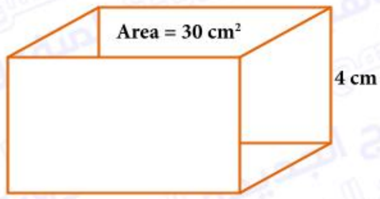
How many packages will be made ?

....

....

20 Find the volume of the opposite cuboid ?

....



21 Find : $1\frac{1}{4} + 2\frac{1}{2}$

....

....

22) Find the value of $b = 2 \div \frac{1}{2}$

....

....

23) Find the area of rectangle with dimensions 11 m and $\frac{5}{11}$ m

....

....

24) Find the volume of rectangle prism with dimensions 3 cm , 2 cm and 2 cm.

....

....

25) If the price of 9 pens is 72 L.E. Find the price of each pen .

....

....

26) The following table shows the rate of the score of 200 students in one school of Cairo governorate :

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$



Represent these data by the opposite pie chart .

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الاجابات النموذجية

Choose the correct answer :

1. 6
2. $\frac{1}{2}$
3. $\frac{5}{2} = 2\ \frac{1}{2}$
4. A cute
5. $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$
6. 7.45
7. 4 , 4 , 5 cm
8. $1\ \frac{8}{7}$
9. $\frac{3}{4}$
10. $\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$
11. 4
12. a right
13. 180
14. $\frac{6}{8} + \frac{3}{8} = \frac{9}{8} = 1\frac{1}{8}$
15. $\frac{23}{5}$
16. $3 \times 3 = 9$
17. an obtuse
18. Y-axis
19. isosceles
20. $360 \div 6 = 60$
21. $\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$
22. $\frac{8}{9}$
23. $4 \times 3 = 12$, $24 \div 12 = 2$
24. Acute
25. $6 \times \frac{1}{2} = 3$
26. $40 \div 4 = 10$
27. $\frac{3}{8} + \frac{2}{8}$
28. $L \times W$
29. isosceles
30. (0 , 0)
31. (5 , 0)
32. $\overset{3}{\cancel{6}} \times \frac{21}{\cancel{8}_{4}} = \frac{63}{4} = 15\ \frac{3}{4}$
33. $\frac{2}{3} = \frac{10}{15}$
34. 3
35. An Acute
36. $\frac{1}{5} \times \frac{1}{4} = \frac{1}{20}$
37. $1\ \frac{4}{6} + 3\ \frac{1}{6} = 4\ \frac{5}{6}$
38. 7
39. $2\ \frac{2}{5}$
40. $\frac{1}{3}$

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41. 1
42. $6 \times 2 = 12$
43. 2
44. 3
45. an acute
46. $\frac{1}{3}$
47. 10
48. 5
49. $5 \times 5 = 25$
50. $\frac{7}{7} = 1$
51. Y-axis
52. $3 \times 3 \times 3 = 27$
53. $10 \times 4 = 40$
54. $(0, 0)$
55. isosceles
56. 1
57. cone
58. $2\frac{3}{8}$
59. $12 \div 4 = 3$
60. an equilateral
61. y-axis
62. sphere
63. $\frac{3}{5}$
64. $>$
65. 20
66. $7 \times 7 \times = 49$
67. $2\frac{2}{5}$
68. 130
69. $360 \div 4 = 90$
70. $\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$
71. 4
72. y-axis
73. $\frac{3}{4}$
74. $1\frac{4}{6} = \frac{3}{6} = 1\frac{1}{6}$
75. an obtuse
76. $\frac{3}{4} \times \frac{4}{5} = \frac{3}{5}$

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Complete :

1. 12
2. $\frac{1}{2} \div 2 = \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
3. $3 \frac{3}{11}$
4. $\frac{25}{128}$
5. $360 \div 6 = 60$
6. 5
7. $2\frac{1}{2} - 1 = 1\frac{1}{2}$
8. $7 \times 2 \times 5 = 70$
9. $\frac{2}{5}$
10. $\frac{1}{8}$
11. $\frac{2}{3} \times 9 = \frac{6}{1} = 6$
12. $\frac{1}{4}$
13. isosceles
14. 1
15. $\frac{3}{4} \times \frac{2}{5} \quad \frac{3}{10}$
16. $\frac{5}{9}$
17. $\frac{7}{7} - \frac{5}{7} = \frac{2}{7}$
18. 30
19. $\frac{11}{5} \times \frac{3}{1} = \frac{33}{5} = 6\frac{3}{5}$
20. 6
21. $3 \times 3 \times 10 = 90$
22. isosceles
23. $3\frac{3}{6} + 2\frac{2}{6} = 5\frac{5}{6}$
24. 21
25. $\frac{3}{6} + \frac{2}{6} = \frac{2}{6}$
26. $\frac{1}{6} \times \frac{1}{7} = \frac{1}{18}$
27. 5
28. (0 , 0)
29. 6
30. equilateral
31. $\frac{3}{4}$
32. 2
33. $5 \times 2 = 10$
34. 21
35. $5 \times 2 = 10$,$100 \div 10 = 10$
36. Scalne
37. $\frac{1}{3} \times 3 = 1$
38. $\frac{4}{5} \times \frac{3}{3} = \frac{4}{5}$
39. $\frac{5}{3}$
40. y-axis

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41. 3
42. $9 \times 9 = 81$
43. X-axis
44. 360
45. 8
46. $5\frac{2}{2} = 6$
47. $2 \div \frac{1}{4} = 2 \times 4 = 8$
48. 12
49. $\frac{3}{10}$
50. $\frac{1}{5} \times 10 = 2$
51. $6\frac{3}{7}$
52. 30
53. 4
54. right
55. $\frac{1}{2}$
56. equilateral
57. 5
58. height
59. 4
60. $\frac{1}{5}$
61. sclane
62. $9\frac{5}{7}$
63. $2 \times 3 = 6$
64. $\frac{4}{4} - \frac{3}{4} = 1$

Story problem :

1. 100
   $\frac{1}{2}$
   0.25
2. $3 \times 2\frac{1}{2} = 3 \times \frac{5}{2} = \frac{15}{2} = 7\frac{1}{2}$
3. $2 \times 3 = 6 \quad 72 \div 6 = 12$ m

(4)

(5) $\frac{3}{5} \times 1\frac{1}{2} = \frac{3}{5} \times \frac{3}{2} = \frac{9}{10}$

(6) $3\frac{1}{2} + \frac{1}{3} = 3\frac{3}{6} + \frac{2}{6} = 3\frac{5}{6}$

(7) $3\frac{1}{2} - 1 = 1\frac{1}{2}$

(8)

(9) $3\frac{1}{2} + 2\frac{1}{2} = 5\frac{2}{2} = 6$

(10) $\frac{3}{10} \times 2 = \frac{3}{5}$

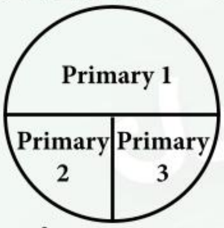
(11) $2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$

(12) $30 \times \frac{5}{6} = 25$ Feddans

(13) 300 grams

(14) $V = 50 \times 20 \times 3 = 3000\ m^3$

(15)



(16) $5 \times 2 \times 4$
$= 40\ cm^3$

(17)

(18) $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$

(19) $5 \div \frac{1}{4} = 5 \times 4 = 20$ packages

(20) $V = 4 \times 30 = 120\ cm^3$

(21) $1\frac{1}{4} + 2\frac{2}{4} = 3\frac{3}{4}$

(22) $2 \times 2 = 4$

(23) $11 \times \frac{5}{11} = 5\ m^2$

(24) $V = 3 \times 2 \times 2 = 12\ cm^3$

(25) $72 \div 9 = 8$ L.E.

(26)



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Part 1

Q1/ Choose the correct answer :-

1) Which of the following is equivalent to $\frac{5}{6}$?

a) $\frac{15}{16}$ b) $\frac{10}{8}$ c) $1\frac{1}{5}$ d) $\frac{20}{24}$

2) The LCM of denominators of $\frac{6}{12}$ and $\frac{4}{18}$ is ……………

a) 12 b) 24 c) 6 d) 34

3) The smallest denominator of $\frac{3}{4}$ and $\frac{4}{5}$ is ……………

a) 20 b) 12 c) 30 d) 40

4) $\frac{3}{4} - \frac{3}{5} =$ …………

a) 0 b) $\frac{1}{20}$ c) $\frac{3}{20}$ d) $\frac{6}{20}$

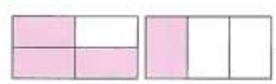
5) $\frac{2}{5} - \frac{3}{10} =$ …………

a) $\frac{5}{15}$ b) $\frac{7}{10}$ c) $\frac{5}{10}$ d) $\frac{1}{10}$

6) The LCM of denominators of $\frac{5}{7}$ and $\frac{3}{4}$ is ……………

a) 14 b) 28 c) 35 d) 40

7) The two like denominator fractions represent the model is ……



a) $\frac{3}{4}, \frac{1}{3}$ b) $\frac{6}{8}, \frac{2}{8}$ c) $\frac{8}{12}, \frac{4}{12}$ d) $\frac{9}{12}, \frac{4}{12}$

8) $\frac{5}{12} + \frac{1}{6} =$ ……………

a) $\frac{3}{12}$ b) $\frac{1}{6}$ c) $\frac{7}{12}$ d) $\frac{4}{12}$

9) 

a) $\frac{2}{3}$ b) 1 c) $\frac{3}{4}$ d) $\frac{5}{6}$

10) Equivalent fraction of $\frac{2}{8}$?

a) $\frac{1}{4}$ b) $\frac{2}{4}$ c) $\frac{4}{10}$ d) $\frac{4}{8}$

11) $4\frac{3}{7} + 1\frac{5}{7}$ = ...

a) $5\frac{1}{7}$ b) $6\frac{1}{7}$ c) $5\frac{8}{14}$ d) $6\frac{2}{7}$

12) $5\frac{5}{8} - 3\frac{2}{8}$ = ...

a) $8\frac{2}{8}$ b) $\frac{2}{8}$ c) $2\frac{1}{4}$ d) $2\frac{3}{8}$

13) $1\frac{2}{5} + 2\frac{3}{5}$ = ...

a) 5 b) 6 c) 4 d) $3\frac{5}{10}$

14) If $3\frac{4}{7} - X = 2\frac{1}{7}$, then X = ...

a) $\frac{3}{7}$ b) 1 c) $1\frac{5}{7}$ d) $1\frac{3}{7}$

15) If $k - 2\frac{1}{3} = 1\frac{1}{3}$, then k = ...

a) $3\frac{2}{3}$ b) $3\frac{1}{3}$ c) $1\frac{2}{3}$ d) $2\frac{2}{3}$

16) $\frac{19}{5}$ is equivalent to ....

a) $3\frac{3}{5}$ b) $4\frac{1}{5}$ c) $3\frac{5}{5}$ d) $3\frac{4}{5}$

17) $2\frac{1}{3}$ can be regrouped as ....

a) $1\frac{4}{3}$ b) $\frac{3}{7}$ c) $1\frac{2}{3}$ d) 7

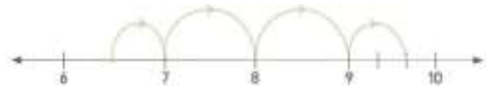
18) $2\frac{1}{5}$ + ...= 5

a) $2\frac{4}{5}$ b) $\frac{6}{5}$ c) $2\frac{1}{5}$ d) $1\frac{4}{5}$

19) $2\frac{3}{4} - 1\frac{1}{2}$ = ...

a) $1\frac{1}{4}$ b) $1\frac{1}{2}$ c) $\frac{3}{4}$ d) $4\frac{1}{4}$

20) The opposite number line represents ………………

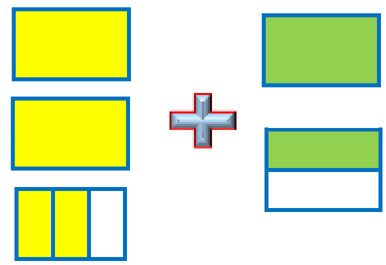


a) $9\frac{2}{3} - 6\frac{1}{2}$ b) $9\frac{2}{3} + 6\frac{1}{2}$ c) $2\frac{5}{6} + 6\frac{1}{2}$ d) $6\frac{1}{2} - 2\frac{5}{6}$

21) $\frac{17}{3}$ is equivalent to ………………

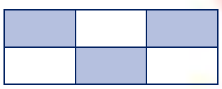
a) $3\frac{1}{6}$ b) $7\frac{1}{2}$ c) $3\frac{2}{5}$ d) $5\frac{2}{3}$

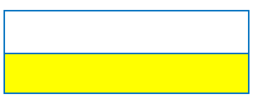
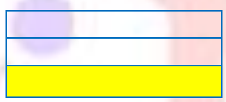
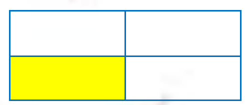
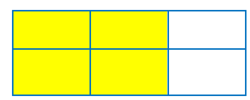
22) which problem represent the following model ?



a) $2\frac{2}{3} - 1\frac{1}{2}$ b) $2\frac{1}{3} + 1\frac{1}{3}$

c) $2\frac{2}{3} + 1\frac{1}{2}$ d) $2\frac{2}{5} + 1\frac{1}{5}$

23) The model  is equivalent to ………………

a)  b)  c)  d) 

24) $\frac{2}{6} \times 3 =$ ………

e) $\frac{6}{6}$ f) 1 g) 36 h) $\frac{12}{3}$

25) $3\frac{2}{5} \times 5 =$ ………

a) $\frac{17}{5}$ b) 5 c) 17 d) $3\frac{10}{5}$

26) $\frac{3}{5} \times 15 =$ ………

a) 2 b) 9 c) 6 d) 7

27) $3 \times \frac{\cdots}{7} = \frac{6}{7}$

a) 2 b) 4 c) 3 d) 1

28) If $\frac{1}{3} \times a = 1\frac{1}{3}$, then a = ………

a) 1 b) 2 c) 3 d) 4

29) $\frac{17}{2}$ is equivalent to ………

a) $8\frac{1}{2}$ b) $6\frac{1}{2}$ c) $1\frac{2}{7}$ d) $5\frac{1}{2}$

30) $3\frac{1}{3}$ as an improper fraction ………

a) $\frac{7}{3}$ b) $\frac{3}{7}$ c) $\frac{10}{3}$ d) 10

31) $\frac{1}{3}$ of 12 = …………

a) 8 b) 12 c) 3 d) 4

32) $\frac{5}{9} \times 3 = \frac{3}{9} \times$ …………

a) 9 b) 5 c) 3 d) $\frac{3}{5}$

33) $\frac{3}{7} \times 7$ …………… $7 \times \frac{3}{7}$

a) < b) > c) =

34) $\frac{3}{7} \times 5$ …………… $4\frac{3}{7}$

a) < b) > c) = d) otherwise

35) $\frac{2}{15} \times \frac{5}{6} =$ ………

a) $\frac{1}{3}$ b) $\frac{1}{8}$ c) $\frac{1}{6}$ d) $\frac{1}{9}$

36) $\frac{2}{3} \times \frac{1}{2} =$ ………

a) $\frac{1}{3}$ b) $\frac{1}{2}$ c) $\frac{3}{5}$ d) 1

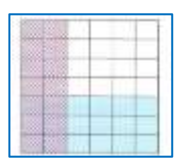
37) $\frac{3}{5} \times \frac{5}{7}$ …………… $\frac{3}{7}$

a) < b) > c) = d) otherwise

38) ……… $\times \frac{3}{7} = \frac{2}{7}$

a) $\frac{2}{3}$ b) $\frac{5}{7}$ c) $\frac{1}{7}$ d) $\frac{3}{2}$

39) Using the area model fill the missing fraction $\frac{2}{6} \times$ ………



a) $\frac{3}{6}$ b) $\frac{3}{7}$ c) $\frac{6}{7}$ d) 3

40) $2\frac{3}{4} = \frac{\cdots\cdots}{4}$

a) 8 b) 9 c) 11 d) 13

41) $\frac{25}{8}$ is equivalent to ....

a) $2\frac{1}{8}$ b) $3\frac{1}{8}$ c) $3\frac{1}{25}$ d) $\frac{8}{25}$

42) $2\frac{1}{3} \times \frac{3}{7} =$ ....

a) $2\frac{1}{7}$ b) $\frac{3}{7}$ c) $\frac{7}{3}$ d) 1

43) $2\frac{1}{5} \times \frac{3}{4} = 2 \times \frac{3}{4} +$ .... $\times \frac{3}{4}$

a) 2 b) $\frac{7}{5}$ c) $\frac{1}{5}$ d) $2\frac{33}{20}$

44) $\frac{2}{5} \times 1\frac{3}{5} = \frac{2}{5} \times$ (1 + ...)

a) $\frac{2}{5}$ b) $\frac{3}{5}$ c) $\frac{4}{5}$ d) 2

45) $17 \div 5 =$ .... (as an improper fraction)

a) $\frac{5}{13}$ b) $1\frac{3}{5}$ c) $3\frac{2}{5}$ d) $5\frac{2}{3}$

46) If $15 \div 7 = 2\frac{a}{7}$, then a = ...

a) 1 b) 2 c) 7 d) 15

47) $12 \div 8 = 1\frac{1}{.....}$

a) 2 b) 3 c) 4 d) 5

48) $14 \div 5 =$ .... + 2

a) $\frac{4}{5}$ b) $\frac{1}{5}$ c) $\frac{3}{5}$ d) $\frac{2}{5}$

49) If $8 \div a = 40$, then a = ...

a) 5 b) $\frac{1}{5}$ c) 40 d) $\frac{9}{40}$

50) If $\frac{1}{3} \div a = \frac{1}{12}$, then a = ...

a) 4 b) $\frac{4}{3}$ c) 36 d) $\frac{1}{4}$

51) The number of thirds in one is ....

a) 1 b) $\frac{1}{3}$ c) 2 d) 3

52) $3 \times \frac{1}{5}$ .... $3 \div \frac{1}{5}$

a) < b) > c) =

53) How many fifths are there in 7 ?

a) $5 \div 7$ b) 5×7 c) $5 + 7$ d) $7 - 5$

Q2/ Complete the following:-

1) The LCM of denominators of $\frac{1}{2}$ and $\frac{3}{10}$ is ....
2) The LCM of denominators of $\frac{4}{5}$ and $\frac{2}{25}$ is ....
3) The smallest like denominator of $\frac{2}{3}$ and $\frac{3}{4}$ is ....
4) The LCM of denominators of $\frac{2}{5}$ and $\frac{1}{3}$ is ....
5) The simplest form of $\frac{15}{27}$ is ....
6) If $\frac{5}{7} = \frac{a}{35}$, then a = ...
7) $\frac{24}{28} = \frac{\dots}{7}$
8) The simplest form of $\frac{6}{8}$ is ....
9) The simplest form of $\frac{24}{18}$ is $\frac{a}{3}$ then a = ...
10) $\frac{6}{9} - \frac{3}{9} =$ ....
11) $\frac{3}{5} - \frac{1}{2} =$ ....
12) $1 -$ .... $= \frac{5}{7}$
13) $1 -$ .... $= \frac{3}{4}$
14) If $\frac{2}{5} + y = \frac{3}{5}$, then y = ...
15) $1 - \frac{1}{8} =$ ....
16) $\frac{3}{4} - \frac{1}{4} = \frac{\dots}{2}$
17) $\frac{5}{9} + \frac{1}{3} =$ ....

18) $\frac{4}{5} - \frac{3}{4} =$ ………………

19) $\frac{8}{32} = \frac{4}{\dots\dots}$

20) $\frac{5}{7} - \frac{\dots}{\dots} = \frac{1}{7}$

21) If $b - \frac{5}{7} = \frac{1}{4}$, then b = ………

22) $\frac{7}{14} + k = 1$, then k = ………

23) If $\frac{11}{16} - a = \frac{1}{4}$, then a = ………

24) If $\frac{4}{7} + \frac{1}{3}$ = If $\frac{X}{21} + \frac{7}{21}$, then X = ………

25) If $\frac{3}{4} = \frac{b}{16}$, then b = ……………

26) $3\frac{1}{2} + 2\frac{1}{4} =$ …………

27) $4\frac{5}{6} - 2\frac{1}{12} =$ …………

28) $3\frac{1}{8} + 2\frac{1}{3} =$ …………

29) $3\frac{3}{6} - 2\frac{1}{3} =$ …………

30) $7 - 2\frac{3}{5} =$ …………

31) $2 - \frac{3}{4} =$ …………

32) ………… $+ 2\frac{5}{7} = 4\frac{3}{14}$

33) $4\frac{3}{5} - 2\frac{1}{3} =$ …………

34) $2\frac{1}{2}$ hours = ………… min .

35) $2\frac{1}{2}$ years = ………… Months .

36) 2 hours and 15 minutes = ………… min .

37) $6\frac{1}{2}$ years = ………… years and …………… months .

38) $2\frac{1}{3}$ hours = ………… min .

39) $\frac{1}{2}$ years = ………… months .

40) $2\frac{3}{5}$ as an improper fraction is ……………

41) $\frac{1}{6}$ day = ………… hours .

42) 30 months = ………… years .

43) $2\frac{3}{4}$ hours = (………… + …………) = ………… min .

44) $2\frac{3}{9} \times 3 =$ ………

45) $\frac{1}{4} \times$ ……… $= \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

46) If $2\frac{1}{7} = \frac{X}{7}$, then X = …………

47) $2\frac{1}{5} \times 2 =$ …………

48) $\frac{2}{3}$ of 9 = …………

49) $1\frac{2}{7} \times 3 = 1 \times 3 +$ ………… × …………

50) $2\frac{1}{4} \times 8 = \frac{1}{4} \times b + 2 \times 8$, then b = ………

51) If $a \times \frac{3}{17} = \frac{3}{17}$, then a = …………

52) If $\frac{7}{8} \times 12 = \frac{14}{8} \times X$, then X = ………

53) If $\frac{1}{3} \times a = 2$, then a = ………

54) $2\frac{1}{2} \times 5 =$ (…………× 5) + $(\frac{1}{2} \times 5)$

55) $\frac{3}{5} \times \frac{5}{7} =$ ………

56) $\frac{1}{4} \times \frac{8}{9} =$ ………

57) $\frac{5}{8} \times \frac{2}{15} =$ ………

58) $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} =$ ………

59) $0.5 \times \frac{4}{11} =$ ………

60) $\frac{1}{3} \times$ ……… $= \frac{1}{9}$

61) The product of $\frac{2}{5} \times \frac{1}{3} =$ …………

62) If $\frac{1}{2} \times b = \frac{5}{6}$, then b = …………

63) $\frac{3}{5} \times \frac{\dots\dots}{4} = \frac{3}{5}$

64) $2\frac{1}{4} \times 2\frac{2}{3} = \dots\dots\dots$

65) $3\frac{1}{2} \times 1\frac{3}{4} = \dots\dots\dots$

66) $4\frac{1}{4}$ as an improper fraction ....

67) $\frac{3}{8} \times \dots\dots\dots = 1$

68) $1\frac{5}{6} \times \dots\dots\dots = 1$

69) $3\frac{1}{2} \times \frac{1}{3} = \dots\dots\dots$

70) $3\frac{1}{4} \times \frac{1}{2} = (3 + \dots\dots\dots) \times \frac{1}{2}$

71) $\frac{2}{11} \times \dots\dots\dots = \frac{3}{11}$

72) $16 \div 7 = 2\frac{\dots\dots}{7}$

73) The quotient of 8 ÷ 5 = ...

74) 22 ÷ 5 = ... (as a mixed number)

75) 34 ÷ 5 = 6 + ...

76) Nora divides 6 hours equally to study 4 subjects , then the number of hours for each subject is .... hours .

77) $\frac{1}{7} \div 2 = \dots\dots\dots$

78) The unit fraction is a fraction with numerator = ...

79) $7 \div \frac{1}{8} = 7 \times \dots\dots\dots$

80) 5 ÷ b = 15 , then b = ...

81) $1\frac{3}{7} \times \dots\dots\dots = 1$

82) $\frac{1}{3} \div a = \frac{1}{12}$, then a = ...

83) $\frac{1}{4} \div m = \frac{1}{20}$, then m = ...

Q3/ Answer the following:-

1) Farida has $1\frac{1}{2}$ kg of flour , she used $\frac{1}{5}$ kg of it , what is the rest with her ?

2) Seif walked $\frac{1}{5}$ km and Marwan walked $\frac{1}{3}$ km more , what distance that Marwan walked ?

3) Malak bought $\frac{5}{7}$ kg of grapes , she used $\frac{2}{3}$ kg of grapes to make a juice , how much kilogram are left ?

4) Maria studied math for $1\frac{1}{2}$ hours and science for 30 minutes , how many hours did she study in all ?

5) There are 8 bags of fava beans each bag has a mass of $\frac{3}{4}$ of a kilogram , what is the total mass of fava beans ?

6) Maya ate $\frac{1}{4}$ of 24 candies , how many candies are left ?

7) Seif bought 4 bags of soil for his garden , each bag has a mass of $3\frac{1}{3}$ kilograms , if he only used $3\frac{3}{4}$ bags of soil ,how many kilograms did he use ?

8) Dareen bought $3\frac{1}{8}$ liters of water , for $\frac{4}{5}$ L.E. for each liter , how much money did she pay ?

9) The price of 9 pens is 77 L.E. , find the price of each pen .

10) A teacher wants to give $\frac{1}{8}$ of a box pencils to each student , he has 5 boxes of pencils , to how many students will he be able to give pencils

11) How many thirds are there in the number 8 ?

Part 2

Q1/ Choose the correct answer :-

1) The measure of an obtuse angle …………….. 90° .

a) <   b) >   c) =   d) otherwise

2) The measure of an acute angle ………………… The measure of an obtuse angle

a) <   b) >   c) =   d) otherwise

3) The quadrilateral with all sides are equal in length and all angles are right angles is called ………………..

a) rectangle   b) square   c) parallelogram   d) rhombus

4) The square has ……………… axis of symmetry .

a) 1   b) 2   c) 3   d) 4

5) The quadrilateral which has 2 pairs of parallel sides opposite each other is ……………

a) trapezoid   b) kite   c) parallelogram   d) triangle

6) Which of the following is called a parallelogram ?

a) trapezoid   b) kite   c) rectangle   d) triangle

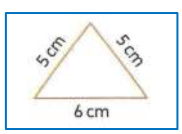
7) A rectangle with 2 adjacent sides are equal in length

a) rhombus   b) square   c) rectangle   d) triangle

8) The …………… triangle has three different sides .

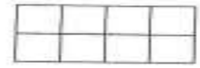
a) scalene   b) equilateral   c) isosceles   d) otherwise

9) The opposite triangle is ……………



a) scalene   b) equilateral   c) isosceles   d) otherwise

10) The area of the opposite rectangle = ………cm²



a) 18 b) 15 c) 8 d) 12

11) The area of a rectangle with length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is ………cm²

a) $\frac{3}{20}$ b) $\frac{4}{20}$ c) $\frac{4}{9}$ d) $\frac{4}{15}$

12) The area of a rectangle = ………………

a) L + W b) L × W c) $\frac{L}{W}$ d) (L + W) × 2

13) The Y coordinate in the ordered pair (1 , 3) is ………………

a) 1 b) 2 c) 3 d) 4

14) The first number in the ordered pair (1 , 3) is ………………

a) X-axis b) Y-axis c) X-coordinate d) Y-coordinate

15) Which of the following points locate on X-axis ?

a) (1 , 0) b) (0 , 1) c) (1 ,1) d) (0 , 3)

16) Which of the following points locate on Y-axis ?

a) (1 , 0) b) (0 , 1) c) (1 ,1) d) (3 , 0)

17) The origin point is ……………

a) (1 , 0) b) (0 , 0) c) (1 ,1) d) (1 , 2)

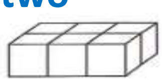
18) The value of the missing numbers in the table is …………

x values	2	3	4	5	6
y values	2	4	6	……	……

a) 7 , 9 b) 8 , 10 c) 6 , 8 d) 10 , 12

19) The rectangular prism is a …………………… dimensional shape .

a) one b) two c) three d) four

20) The volume of  is ………………… cube units .

a) 6 b) 2 c) 12 d) 16

21) A cuboid has 4 horizontal layers and 6 cube units in each layer , then its volume = ……………… cm^3

a) 24 b) 18 c) 12 d) 16

22) A cuboid has 2 vertical slices , each slice has 5 cm^3 , then its volume = …………… cm^3

a) 7 b) 3 c) 10 d) $\frac{5}{2}$

23) A box is filled by 4 horizontal layers , each layer contains 5 cube units , then its capacity = ………… cube units .

a) 9 b) $\frac{4}{5}$ c) $\frac{5}{4}$ d) 20

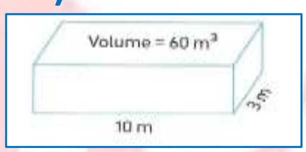
24) The unit of measuring volume is ……………… 

a) cm b) cm^2 c) cm^3 d) m

25) Volume of cuboid = 60 cm^3 and base area = 20 cm , then its height = ……

a) 1200 cm b) 3 cm c) 80 cm d) 40 cm

26) The missing dimension in the opposite figure is ……………



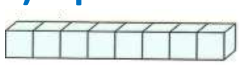
a) 30 b) 6 c) 5 d) 2

27) Length of cuboid = ………………

a) w × h b) $\frac{volume}{w \times h}$ c) $\frac{base\ area}{h}$ d) L × w × h

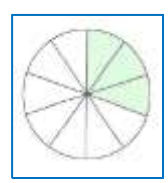
28) The unit of measuring volume is ………………

a) cm b) square cm c) cubic cm d) meter

29) The volume of  equals …………

a) 64 b) 16 c) 8 d) 4

30) The measure of the central angle that represents the opposite colored sector is ……………….



a) 36° b) 72° c) 108° d) 120°

31) In the following table what is the fraction represents the blue color ?

Color	Red	Blue	Green
Fraction	$\frac{1}{2}$	....	$\frac{3}{10}$

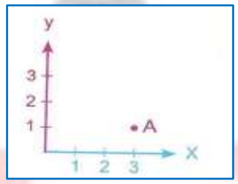
a) $\frac{1}{2}$ b) $\frac{1}{5}$ c) $\frac{3}{10}$ d) $\frac{7}{10}$

Q2/ Complete the following :-

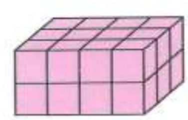
1) The angle of measure less than 90° is .... angle .
2) The polygon which has 4 sides is called ....
3) The polygon which only 2 parallel sides is called ....
4) The polygon which has .... sides is called hexagon .
5) The 4 sides are equal in length in .... and ....
6) The 4 angles are right in .... and ....
7) In the square all angles are ....
8) The parallelogram with 4-right angles is called ....
9) The parallelogram with 4-sides are equal in length is called ....
10) The rectangle with 4-sides are equal in length is called ....
11) The rhombus with 4-right angles is called ....
12) The angle of measure 100° is .... angle .
13) In triangle ABC m (∠ A) = 30°m (∠ B) = 90°m (∠ C) =60° (...........triangle)
14) In triangle XYZ m (∠ X) = 30°m (∠ Y) = 40°m (∠ Z) =110° (...........triangle)
15) In triangle LMN m (∠ L) = 50°m (∠ M) = 70°m (∠N) =60° (...........triangle)
16) In triangle ABC , AB = 6cm , BC = 7 cm , CA = 6 cm (...........triangle)
17) In triangle XYZ, XY = 4.5 cm,YZ = 4.5 cm, ZX = 4.5 cm (...........triangle)
18) In triangle LMN , LM = 4 cm, MN = 5 cm, NL = 8 cm (...........triangle)
19) In triangle HBC m(∠ H)=(∠ B)= 70°m , (∠ C) =40° (...........triangle)
20) In triangle ABC m(∠ A)=(∠ B) ,∠ C is a right angle (...........triangle)
21) In triangle MAY , MA=AY=9cm , YM = 10 cm (...........triangle)

22) The triangle is a polygon that has ………….. sides ………….. angles .
23) The equilateral triangle is a triangle whose sides are ………………..
24) Any triangle has at least ……………….. acute angles .
25) The equilateral triangle LMN , LM = MN = 8cm , then LN = …… cm

26) The opposite figure , the ordered pair that represent Point A is ……………

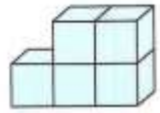


27) The point (0 , 5) lies on ……………..-axis .
28) The Y-coordinate in the order pair (2 , 3) is …………..
29) The cube has …………….. faces , …………….. edges , ………….. vertices .
30) The cone has …………….. faces , …………….. edges , ………….. vertices .
31) The cylinder has …………….. faces , …………….. edges , ………….. vertices .
32) The sphere has …………….. faces , …………….. edges , ………….. vertices .
33) The square pyramid has …………….. faces , …………….. edges , ………….. vertices .
34) The square pyramid has …………….. triangular faces .
35) The rectangular prism has …………….. faces , …………….. edges , ………….. vertices .
36) From the opposite figure ,
The number of horizontal layers is ………
The number of cubes in each horizontal layer is ………
The volume = ………….. × …………….. = ……………..



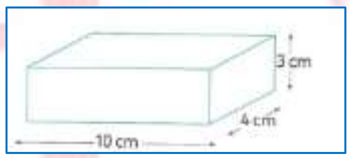
37) The solid which has no edges , no faces no vertices is called ……………..
38) Cuboid of length 11cm , width 2cm , and height 4cm , then its volume = ………………..
39) Volume of cuboid = base area × ……………………

40) The volume of opposite figure is ……………………



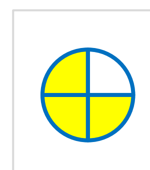
41) Cuboid has of base area 12 cm^2 and volume 36 cm^3 , its height = …………
42) Cuboid with length 3 cm , width 4cm volume 24 cm^3 , its height = …………
43) The volume of rectangular prism with dimensions 3cm , 2cm and 3cm , = ……………………
44) The square pyramid has …………………… triangular faces .

45) The volume of opposite figure is ……………………

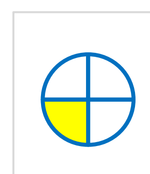


46) The sum of measures of angles accumulating around one point as the center of the circle is equal to ……………

47) The fraction which represent the shaded part = ………………

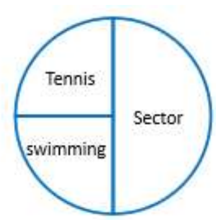


48) The measure of the central angle of the shaded sector = ……°



49) The measure of the central angle which represents $\frac{1}{2}$ of the circle is ……°

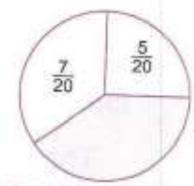
50) The measure of the angle which represents swimming is ………°



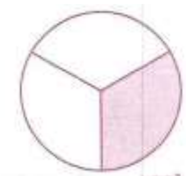
51) The following table shows the fraction of production for three farms , the fraction of the third farm = ………….

The farm	First	Second	Third	Total
The fraction	$\frac{1}{4}$	$\frac{1}{2}$	?	1

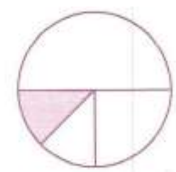
52) The missing fraction of the pie chart is ……………



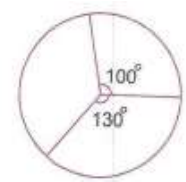
53) The measure of the central angle of the shaded sector = ……°



54) The fraction which represent the shaded part = ………………

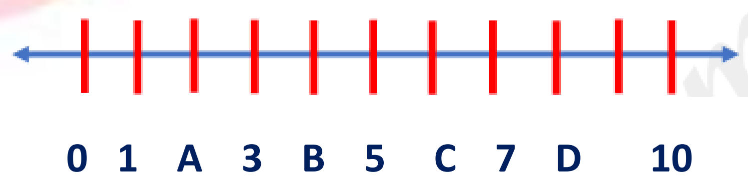


55) The measure of the central angle of the missing sector = ……°



Q3/ Answer the following :-

1) Use the number line to find
   a) what is the value of A ?
   b) How far is point B from D ?
   c) The length of AD = ……… units



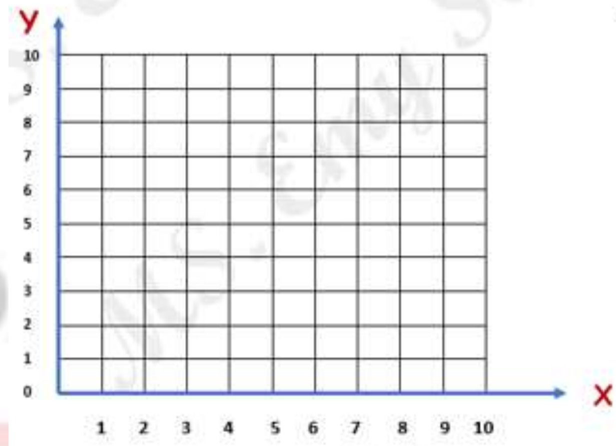
2) In the opposite coordinate plane ,

a) Graph the figure ABCD ,

A(2 , 8) , B(3 , 4) , C(8 , 4) , D(7 , 8)

b) What is the name of figure ABCD ?

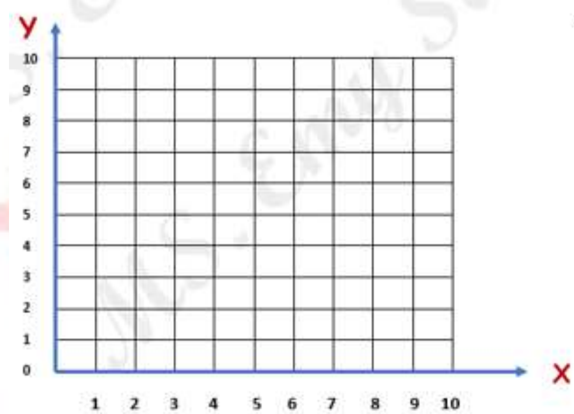
c) AD ∥ ……… , AB ∥ ………



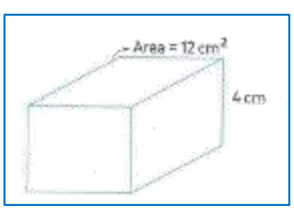
3) Use the pattern to complete the table

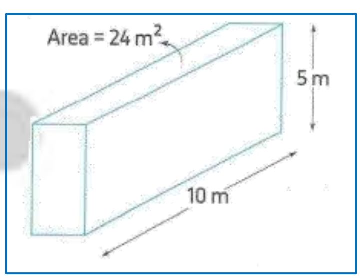
and represent on the coordinate plane

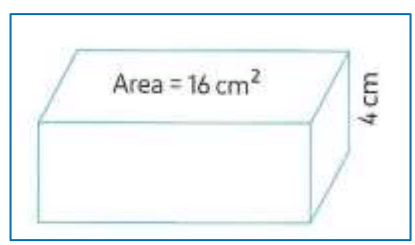
x values	1	2	3	4	5	6	7
y values	2	4	6	8	10	___	___



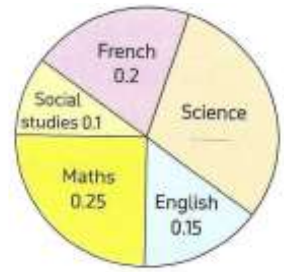
4) find the volume of the opposite figures :-







5) The opposite figure shows the decimals of sales of different types of books complete :-



a) The sales decimal of French books is …………….

b) The sales decimal of science books is …………….

c) The least sales decimal is in …………….

d) The ascending order of books types according to

The decimals of sales is …………… , …………… , ……………… , …………… , ……………

6) Represent these data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



Answes

Part 1

Q1/ Choose

1) d	2) b	3) a	4) c
5) d	6) b	7) d	8) c
9) c	10) a	11) b	12) d
13) c	14) d	15) a	16) d
17) a	18) a	19) a	20) a
21) d	22) c	23) a	24) f
25) c	26) b	27) a	28) d
29) a	30) c	31) d	32) b
33) c	34) a	35) d	36) a
37) c	38) a	39) b	40) c
41) b	42) d	43) c	44) b
45) c	46) a	47) a	48) a
49) b	50) a	51) d	52) a
53) b			

Q2/ Complete

1) 10	2) 25	3) 12	4) 15
5) $\frac{5}{9}$	6) 25	7) 6	8) $\frac{3}{4}$
9) 4	10) $\frac{3}{9} = \frac{1}{3}$	11) $\frac{1}{10}$	12) $\frac{2}{7}$
13) $\frac{1}{4}$	14) $\frac{1}{5}$	15) $\frac{7}{8}$	16) $\frac{1}{2}$

17) $\frac{2}{9}$	18) $\frac{1}{20}$	19) 6	20) $\frac{4}{7}$
21) $\frac{27}{28}$	22) $\frac{1}{2}$	23) $\frac{7}{16}$	24) 12
25) 12	26) $5\frac{3}{4}$	27) $2\frac{3}{4}$	28) $5\frac{11}{24}$
29) $1\frac{1}{6}$	30) $4\frac{2}{5}$	31) $1\frac{1}{4}$	32) $1\frac{1}{2}$
33) $2\frac{4}{15}$	34) 150	35) 30	36) 135
37) 6 , 6	38) 140	39) 12	40) $\frac{13}{5}$
41) 4	42) $2\frac{1}{2}$	43) 120+45=165	44) 7
45) 4	46) 15	47) $\frac{2}{9}$	48) 6
49) $\frac{2}{7} \times 3$	50) 8	51) 1	52) 6
53) 6	54) 2	55) $\frac{3}{7}$	56) $\frac{2}{9}$
57) $\frac{1}{12}$	58) $\frac{2}{9}$	59) $\frac{2}{11}$	60) $\frac{1}{3}$
61) $\frac{2}{15}$	62) $\frac{5}{3}$	63) 4	64) 6
65) $6\frac{1}{8}$	66) $\frac{17}{4}$	67) $\frac{8}{3}$	68) $\frac{6}{11}$
69) $1\frac{1}{6}$	70) $\frac{1}{4}$	71) $\frac{3}{2}$	72) 2
73) $1\frac{3}{5}$	74) $4\frac{2}{5}$	75) $\frac{4}{5}$	76) $1\frac{1}{4}$
77) $\frac{1}{14}$	78) 1	79) 8	80) $\frac{1}{3}$
81) $\frac{7}{10}$	82) 4	83) 5	

Q3/ Answer

1) $1\frac{1}{2} - \frac{1}{5} = 1\frac{3}{10}$

2) $\frac{1}{5} + \frac{1}{3} = \frac{8}{15}$

3) $\frac{5}{7} - \frac{2}{3} = \frac{1}{21}$

4) $1\frac{1}{2}$ + 30 min = $1\frac{1}{2} + \frac{1}{2}$ = 2 hours

5) 6 kg.

6) The left = 18 candies

7) $12\frac{1}{2}$ kg.

8) $2\frac{1}{2}$ L.E.

9) $8\frac{5}{9}$ L.E.

10) 40 students.

11) 24 thirds.

Part 2

Q1/ Choose

1) b	2) a	3) b	4) d
5) a	6) c	7) b	8) a
9) c	10) c	11) d	12) b
13) c	14) a	15) a	16) b
17) b	18) b	19) c	20) a
21) a	22) c	23) d	24) c
25) b	26) d	27) b	28) c
29) c	30) a	31) b	32)

Q2/ Complete

1) acute	2) quadrilateral	3) trapezium	4) 6
5) rhombus , square	6) square , rectangle	7) right	8) rectangle
9) rhombue	10) square	11) square	12) obtuse
13) right-angled	14) obtuse-angled	15) acute-angled	16) isosceles
17) equilateral	18) scalene	19) acute-angled	20) right-angled
21) isosceles	22) 3 , 3	23) equal in length	24) 2
25) 8cm	26) (3 , 1)	27) Y	28) 3
29) 6,12,8	30) 1 , 0 , 1	31) 2 , 0 , 0	32) 0 , 0 , 0
33) 5,8,5	34) 4	35) 6 , 12 , 8	36) 2 , 12 , $2 \times 12 = 24$
37) sphere	38) $88cm^3$	39) height	40) $5cm^3$
41) 3cm	42) 2cm	43) $36cm^3$	44) 4
45) $120cm^3$	46) 360°	47) $\frac{3}{4}$	48) 90°
49) 180°	50) 90°	51) $\frac{1}{4}$	52) $\frac{8}{20}$
53) 120°	54) $\frac{1}{4}$	55) 130°	

Q3/ Answer

1) a. 2

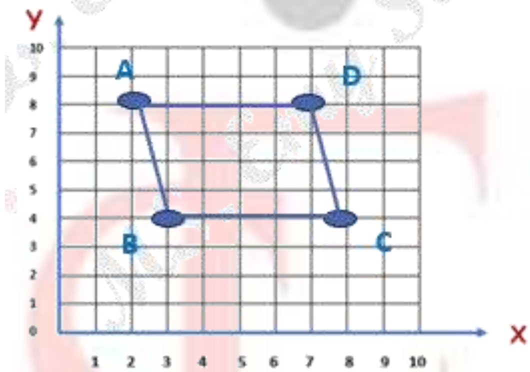
b. 4 units

c. 6 units

1) a. 2

b. parallelogram

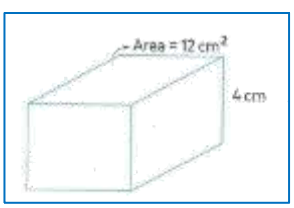
c. BC , DC

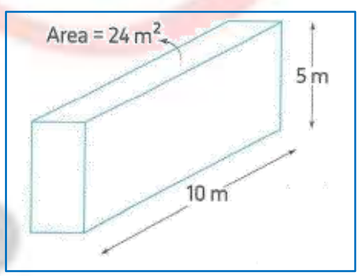


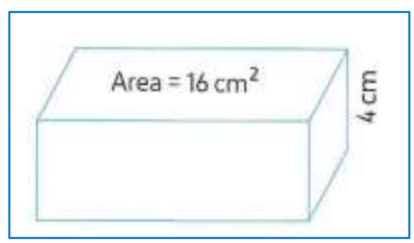
2)

x values	1	2	3	4	5	6	7
y values	2	4	6	8	10	12	14

3)







$12 \times 4 = 48 \text{ cm}^3$

$24 \times 5 = 120 \text{ cm}^3$

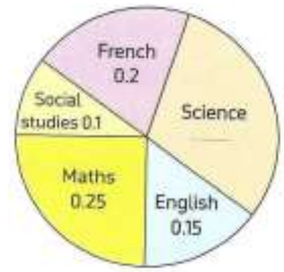
$16 \times 4 = 64 \text{ cm}^3$

4) a) 0.2

b) $\frac{100}{100} - \left(\frac{20}{100} + \frac{10}{100} + \frac{25}{100} + \frac{15}{100} \right) = \frac{30}{100} = 0.3$

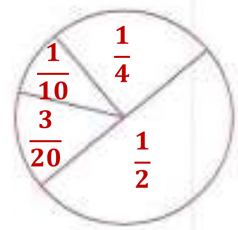
c) in social studies

d) The ascending order of books social , English , French , maths , science



5) Represent these data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



﴿ بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ ﴾

Question (1) Choose the correct answer.

1) The number that names a part of a whole …………

(Fraction – Numerator – Denominator)

2) The number that tells how many equal parts are there ………….

(Fraction – Numerator – Denominator)

3) The number that represented how many equal parts have been counted ………….. (Fraction – Numerator – Denominator)

4) ……………. Is a fraction which its numerator is 1.

(Unit fraction – Improper Fraction – Proper fraction)

5) ……………... Is a fraction which its numerator is less than its denominator.

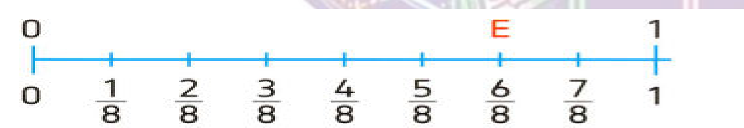
(Unit fraction – Improper Fraction – Proper fraction – Mixed number)

6) There are ……………… quarter in 1 whole.

(2 – 3 – 4 – 5)

7) $\frac{6}{\dots\dots} = 1$ (5 – 7 – 6 – 10)

8) The number of unit fraction which represent point E is …………



(5 – 7 – 6 – 10)

9) ……………... Is a fraction which its numerator is greater than its denominator.

(Unit fraction – Improper Fraction – Proper fraction – Mixed number)

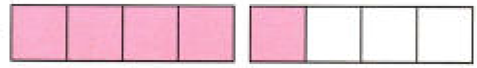
10) …………… Is made up of a whole number and a proper fraction.

(Unit fraction – Improper Fraction – Proper fraction – Mixed number)

11) …………… Is greater than or equal 1

(Unit fraction – Improper Fraction – Proper fraction – Digit)

12) The opposite model represents ………………..



($\frac{5}{4}$ – $\frac{6}{4}$ – $\frac{7}{4}$ – $\frac{4}{4}$)

13) Which of the following is a proper fraction ………….

($\frac{5}{4}$ – $\frac{6}{8}$ – $\frac{7}{5}$ – $\frac{4}{4}$)

14) Which of the following is an improper fraction ………….

($\frac{5}{4}$ – $\frac{6}{8}$ – $\frac{7}{9}$ – $\frac{4}{10}$)

15) $\frac{3}{5}+\frac{2}{5}=$ …………… ($\frac{5}{4}$ – $\frac{5}{5}$ – $\frac{6}{5}$ – $\frac{4}{5}$)

16) $\frac{2}{7}+\frac{2}{7}=$ …………… ($\frac{5}{7}$ – $\frac{3}{7}$ – $\frac{4}{7}$ – $\frac{6}{7}$)

17) $\frac{3}{5}-\frac{2}{5}=$ …………… ($\frac{1}{5}$ – $\frac{2}{5}$ – $\frac{3}{5}$ – $\frac{4}{5}$)

18) $\frac{2}{7}-\frac{2}{7}=$ …………… ($\frac{0}{7}$ – $\frac{1}{7}$ – $\frac{2}{7}$ – $\frac{3}{7}$)

19) $1+\frac{2}{7}=$ …………… ($\frac{5}{7}$ – $\frac{6}{7}$ – $\frac{4}{7}$ – $\frac{9}{7}$)

20) $3\frac{1}{3}+4\frac{2}{3}=$ …………… ($7\frac{2}{3}$ – $7\frac{1}{3}$ – $8\frac{1}{3}$ – 8)

21) $2\frac{4}{5}+4\frac{2}{5}=$ …………… ($7\frac{2}{5}$ – $7\frac{1}{5}$ – $8\frac{1}{5}$ – $8\frac{2}{5}$)

22) $3\frac{1}{3}-1\frac{1}{3}=$ …………… ($2\frac{2}{3}$ – $1\frac{1}{3}$ – $1\frac{1}{3}$ – 2)

23) $4\frac{3}{6}-1\frac{1}{6}=$ …………… ($2\frac{2}{6}$ – $3\frac{1}{6}$ – $1\frac{1}{6}$ – $2\frac{1}{6}$)

24) $4\frac{3}{6}=$ …………. ($\frac{26}{4}$ – $\frac{28}{4}$ – $\frac{24}{4}$ – $\frac{27}{4}$)

25) $\frac{15}{21}=$…………… ($\frac{5}{7}$ – $\frac{10}{7}$ – $\frac{5}{14}$ – $\frac{9}{7}$)

26) $\frac{3}{4} = \frac{\dots\dots}{16}$ (14 – 11 – 12 – 10)

27) The fraction $\frac{2}{7}$ is equivalent to ……………

($\frac{5}{18}$ – $\frac{10}{36}$ – $\frac{12}{42}$ – $\frac{9}{35}$)

28) The fraction $\frac{3}{5}$ is equivalent to ……………

($\frac{6}{18}$ – $\frac{10}{35}$ – $\frac{12}{25}$ – $\frac{21}{35}$)

29) The fraction $\frac{6}{8}$ is equivalent to ……………

($\frac{3}{4}$ – $\frac{12}{15}$ – $\frac{30}{41}$ – $\frac{2}{4}$)

30) $3 \times \frac{1}{6} =$ ………… ($\frac{6}{6}$ – $\frac{5}{6}$ – $\frac{4}{4}$ – $\frac{3}{6}$)

31) $5 \times \frac{2}{3} =$ ………… ($\frac{6}{3}$ – $\frac{10}{3}$ – $\frac{15}{10}$ – $\frac{7}{3}$)

32) $\frac{2}{3}$ Year = …………… Months. (6 – 7 – 8 – 9)

33) $\frac{1}{6}$ Day = …………… Hours. (6 – 5 – 4 – 3)

34) $\frac{3}{5}$ Month = …………… Days. (10 – 15 – 18 – 20)

35) $\frac{3}{4}$ Month = …………… Weeks. (2 – 3 – 4 – 5)

36) $\frac{3}{7}$ Week = …………… Days. (2 – 3 – 4 – 5)

37) $\frac{5}{12}$ Hour = …………… Minutes. (20 – 25 – 30 – 15)

38) $\frac{11}{20}$ Minute = …………… Seconds. (30 – 35 – 33 – 36)

39) $3\frac{1}{6}$ Year = …………… Months. (35 – 36 – 37 – 38)

40) $2\frac{5}{6}$ Day = …………… Hours. (60 – 65 – 68 – 70)

41) $1\frac{9}{10}$ Month = …………… Days. (57 – 55 – 50 – 59)

42) $2\frac{1}{4}$ Month = …………… Weeks. (8 – 9 – 10 – 11)

43) $3\frac{5}{7}$ Week = …………… Days. (20 – 25 – 30 – 26)

44) $3\frac{17}{20}$ Hour = …………… Minutes. (235 – 236 – 237 – 238)

45) $2\frac{5}{12}$ Minute = …………… Seconds. (140 – 145 – 150 – 155)

46) 150 Second = ………….. Minutes. ($1\frac{3}{4}$ – $1\frac{1}{2}$ – $2\frac{1}{2}$ – $2\frac{1}{4}$)

47) 135 Minute = ………….. Hours. ($1\frac{3}{4}$ – $1\frac{1}{2}$ – $2\frac{1}{2}$ – $2\frac{1}{4}$)

48) 70 Hour = ………….. Days. ($1\frac{11}{12}$ – $1\frac{5}{6}$ – $2\frac{11}{12}$ – $2\frac{5}{6}$)

49) 40 Day = ………….. Weeks. ($5\frac{3}{7}$ – $5\frac{4}{7}$ – $5\frac{5}{7}$ – $5\frac{6}{7}$)

50) 160 Day = ………….. Months. ($5\frac{1}{5}$ – $5\frac{1}{4}$ – $5\frac{1}{3}$ – $5\frac{1}{2}$)

51) 50 Month = ………….. Years. ($4\frac{1}{7}$ – $4\frac{1}{5}$ – $4\frac{1}{6}$ – $4\frac{1}{4}$)

52) The multiplicative identity element is …………..

(1 – 0 – 2 – 3)

53) The additive identity element is …………..

(1 – 0 – 2 – 3)

54) Five ……………. = 1

(halves – thirds – quarter – fifths)

55) The number above the bar in the fraction …………

(Fraction – Numerator – Denominator)

56) The number below the bar in the fraction …………

(Fraction – Numerator – Denominator)

57) $5 \times \frac{2}{7} = \dots\dots\dots\dots$ ($\frac{6}{7}$ – $\frac{7}{7}$ – $\frac{9}{7}$ – $\frac{10}{7}$)

58) $6 \times \frac{2}{7} = \frac{1}{7} \times \dots\dots\dots$ (12 – 8 – 11 – 10)

59) $5 \times \frac{8}{3} = \frac{20}{3} \times \dots\dots\dots$ (0 – 1 – 2 – 3)

60) $12 \times \frac{3}{5} = \frac{4}{5} \times \dots\dots\dots$ (9 – 8 – 11 – 10)

61) $\frac{3}{5} \times 5 \dots\dots\dots . \frac{3}{5} \times 10$ (< – > – =)

62) $\frac{7}{8} \times \frac{16}{21} = \dots\dots\dots\dots$ ($\frac{1}{3}$ – $\frac{2}{3}$ – $\frac{2}{1}$ – $\frac{3}{2}$)

63) $\frac{22}{4} \times \frac{1}{11} = \dots\dots\dots\dots$ ($\frac{1}{3}$ – $\frac{2}{3}$ – $\frac{2}{1}$ – $\frac{1}{2}$)

64) $\frac{35}{10} \times \frac{14}{21} = \dots\dots\dots\dots$ ($\frac{5}{3}$ – $\frac{4}{3}$ – $\frac{2}{3}$ – $\frac{3}{5}$)

65) $2\frac{1}{4} \times \frac{4}{6} = \dots\dots\dots\dots$ ($1\frac{1}{3}$ – $1\frac{2}{3}$ – $1\frac{1}{2}$ – $1\frac{3}{2}$)

66) $2\frac{1}{4} \times \frac{4}{6} = \dots\dots\dots\dots$ ($1\frac{1}{3}$ – $1\frac{2}{3}$ – $1\frac{1}{2}$ – $1\frac{3}{2}$)

67) $3\frac{4}{7} \times \frac{1}{5} = \dots\dots\dots\dots$ ($\frac{7}{5}$ – $\frac{5}{7}$ – $\frac{10}{7}$ – $\frac{10}{5}$)

68) $1\frac{2}{5} \times 2\frac{1}{2} = \dots\dots\dots\dots$ ($\frac{7}{2}$ – $\frac{5}{7}$ – $\frac{7}{3}$ – $\frac{10}{5}$)

69) $\frac{2}{5} \times 1\frac{3}{5} = \frac{2}{5} \times (1+\dots\dots)$ ($\frac{0}{5}$ – $\frac{1}{5}$ – $\frac{2}{5}$ – $\frac{3}{5}$)

70) $17 \div 3 = 5\frac{\dots\dots}{3}$ (0 – 1 – 2 – 3)

71) $23 \div 4 = 5\frac{\dots\dots}{4}$ (0 – 1 – 2 – 3)

72) $\dots\dots \div 5 = 6\frac{3}{5}$ (30 – 33 – 35 – 36)

73) …….. ÷ 7 = $3\frac{6}{7}$ (25 – 26 – 27 – 60)

74) 27 ÷ …… = $4\frac{3}{\ldots\ldots}$ (0 – 5 – 6 – 7)

75) All the following are equal except ……………

(35 ÷ 4 – $8\frac{3}{4}$ – $8\frac{6}{8}$ – $8\frac{10}{12}$)

76) 5 ÷ $\frac{1}{2}$ = ………… ($\frac{5}{2}$ – $\frac{2}{5}$ – 5 – 10)

77) $\frac{3}{2}$ ÷ $\frac{1}{2}$ = ………… ($\frac{3}{4}$ – $\frac{4}{3}$ – 3 – 6)

78) $1\frac{2}{3}$ ÷ $\frac{5}{3}$ = ………… ($\frac{5}{3}$ – $\frac{2}{3}$ – 0 – 1)

79) 6 ÷ $\frac{1}{2}$ = ………… ($\frac{6}{2}$ – 8 – 12 – 18)

80) 8 ÷ ……… = 24 ($\frac{1}{2}$ – $\frac{1}{3}$ – 3 – 2)

81) There are ………. fifths in 1. (3 – 4 – 5 – 6)

82) There are ………. sixths in 3. (12 – 24 – 18 – 30)

83) There are ………. halves in 5. (2 – 5 – 10 – 12)

84) There are ………. quarter in 3. (10 – 4 – 12 – 8)

85) ………………. Is a straight line which have start point and end point.

(Line – Line segment – Ray – Point)

86) ………………. Is an exact location on a space.

(Line – Line segment – Ray – Point)

87) ………………. Is a straight line which doesn't have start point and end point.

(Line – Line segment – Ray – Point)

88) ………………. Is a straight line which have start point and doesn't have end point. (Line – Line segment – Ray – Point)

89) ……………… lines is a two straight line which never cross and they keep the same distance apart. (Parallel – Intersecting – Perpendicular)

90) ……………… lines is a two straight line which passing through each other in the same point. (Parallel – Intersecting – Perpendicular)

91) ……………… lines is a two straight line which intersection and form four square corners. (Parallel – Intersecting – Perpendicular)

92) ……………… angle is an angle which it's measure between 0° and 90°.

(Acute – Right – Obtuse – Straight)

93) ……………… angle is an angle which it's measure exactly 90°.

(Acute – Right – Obtuse – Straight)

94) ……………… angle is an angle which it's measure between 90° and 180°.

(Acute – Right – Obtuse – Straight)

95) ……………… angle is an angle which it's measure exactly 180°.

(Acute – Right – Obtuse – Straight)

96) ……………… Is a polygon consists of 3 sides, 3 angles and 3 vertices.

(Triangle – Quadrilateral – Pentagon – Hexagon)

97) ……………… Is a polygon consists of 5 sides, 5 angles and 5 vertices.

(Triangle – Quadrilateral – Pentagon – Hexagon)

98) ……………… Is a polygon consists of 4 sides, 4 angles and 4 vertices.

(Triangle – Quadrilateral – Pentagon – Hexagon)

99) ……………… Is a polygon consists of 6 sides, 6 angles and 6 vertices.

(Triangle – Quadrilateral – Pentagon – Hexagon)

100) ……………… Is a quadrilateral which each 2 adjacent sides are congruent but all sides aren't congruent . (Kite – Parallelogram – Square – Rectangle)

101) ……………… Is a quadrilateral which has only one pair of parallel sides.

(Kite – Trapezoid – Square – Rectangle)

102) ……………… Is a quadrilateral which each 2 opposite sides are parallel.

(Rhombus – Parallelogram – Square – Rectangle)

103) ……………… Is a quadrilateral which each 2 opposite sides are parallel, congruent and all angles are congruent.

(Rhombus – Parallelogram – Square – Rectangle)

104) ……………… Is a quadrilateral which each 2 opposite sides are parallel and all sides are congruent.

(Rhombus – Parallelogram – Square – Rectangle)

105) ……………… Is a quadrilateral which each 2 opposite sides are parallel, all sides are congruent and all angles are congruent.

(Rhombus – Parallelogram – Square – Rectangle)

106) ………………… triangle is a triangle with 3 congruent sides.

(Equilateral – Isosceles – Scalene)

107) ………………… triangle is a triangle with 2 congruent sides and the third is different in length. (Equilateral – Isosceles – Scalene)

108) ………………… triangle is a triangle with 3 sides different in length.

(Equilateral – Isosceles – Scalene)

109) ………………… angled triangle is a triangle with a right angle.

(Right – Obtuse – Acute)

110) ………………… angled triangle is a triangle with a 3 acute angles.

(Right – Obtuse – Acute)

111) …………………… angled triangle is a triangle with an obtuse angle.

(Right – Obtuse – Acute)

112) …………………… angled triangle is a triangle with a 3 congruent angles.

(Right – Obtuse – Acute)

113) Any triangle has at least 2 …………. angles.

(Right – Obtuse – Acute)

114) Area of rectangle = ………………. (L + W – L × W – L ÷ W – [L + W] × 2)

115) A rectangle with length 4 cm and width 3 cm, Then it's area = ………… cm^2

(10 – 4 – 12 – 8)

116) A rectangle with length $\frac{1}{2}$ cm and width $\frac{2}{5}$ cm, Then it's area = ………… cm^2

($\frac{2}{5}$ – $\frac{4}{5}$ – $\frac{1}{5}$ – 0.4)

117) A rectangle with length 3.5 m and width 2.4 m, Then it's area = ……….. m^2

($\frac{42}{5}$ – $\frac{40}{5}$ – $\frac{41}{5}$ – $\frac{42}{10}$)

118) A rectangle with area $\frac{35}{6}$ m^2 and width $\frac{7}{3}$ m, Then it's length = ………… m^2

($\frac{7}{3}$ – $\frac{7}{5}$ – $\frac{5}{2}$ – $\frac{5}{7}$)

119) A rectangle with area $\frac{18}{5}$ m^2 and length $\frac{9}{4}$ m, Then it's width = ………… m^2

($\frac{5}{8}$ – $\frac{9}{4}$ – $\frac{4}{9}$ – $\frac{8}{5}$)

120) ………………. Is a flat surface of a solid figure.

(Face – Edge – Vertex)

121) The base of the cube is a ……………….

(square – rectangle – circle – triangle)

122) The base of the cone is a ……………….

(square – rectangle – circle – triangle)

123) The base of the cylinder is a ……………….

(square – rectangle – circle – triangle)

124) The base of the square based pyramid is a ……………….

(square – rectangle – circle – triangle)

125) I have no edges and no flat surface so I am a ……………….

(cube – sphere – cylinder – cone)

126) I have one base and one pointy top so I am a ……………….

(cube – sphere – cylinder – cone)

127) I have 6 faces and 12 edges so I am a ……………….

(cube – sphere – cylinder – cone)

128) I have 2 circle flat surface so I am a ……………….

(cube – sphere – cylinder – cone)

129) Cube is ………….. dimensional shape. (0 – 1 – 2 – 3)

130) The sum of all accumulative angles around one point = ………..°

(90 – 180 – 270 – 360)

131) Third of a circle = ……………..°

(90 – 120 – 270 – 360)

132) half of a circle = ……………..°

(90 – 180 – 270 – 360)

133) three quarter of a circle = ……………..°

(90 – 180 – 270 – 45)

134) one eighths of a circle = ………………°

(90 – 120 – 270 – 45)

Question (2) Complete the Following.

1) Any number divided by itself equals ……………..

2) …………. Is the additive identity.

3) $\frac{5}{8}$ = …………. Eighths.

4) …………… = $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$.

5) The proper fraction has the numerator …………… the denominator.

6) The improper fraction has the numerator …………… the denominator.

7) The proper fraction …………… 1.

8) The improper fraction …………… 1.

9) The proper fraction …………… The improper fraction.

10) $\frac{15}{\dots\dots} = 5$

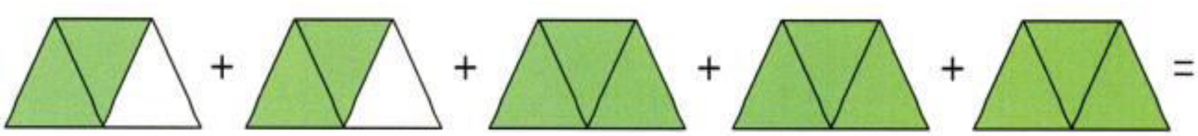
11) 0 divided by any number equals ………..

12) The number which has only 2 factors is ……….

13) The number which has more than 2 factors is ………..

14) The smallest odd prime number is …………………

15) The only even prime number is ……………

16) 

17) $\frac{3}{10} + \frac{2}{10} =$ ……………

18) $\frac{4}{7} + \frac{5}{7} =$ ....

19) $\frac{6}{8} - \frac{2}{8} =$ ....

20) $\frac{2}{3} - \frac{2}{3} =$ ....

21) $1 + \frac{5}{5} =$ ....

22) $2\frac{1}{7} + 4\frac{2}{7} - 5\frac{2}{7} =$ ....

23) $2\frac{4}{7} + 8\frac{2}{7} =$ ....

24) $3\frac{5}{3} - 3\frac{2}{3} + 2\frac{1}{3} =$ ....

25) $3\frac{5}{6} - 1\frac{5}{6} =$ ....

26) .... Means ordering numbers from the greatest to the smallest.

27) .... Means ordering numbers from the smallest to the greatest.

28) $\frac{2}{\,} = \frac{8}{10} = \frac{\,}{30} = \frac{40}{\,}$

29) $\frac{\,}{3} = \frac{4}{6} = \frac{16}{\,} = \frac{\,}{60}$

30) $\frac{1}{\,} = \frac{\,}{15} = \frac{5}{30} = \frac{25}{\,}$

31) .... is the multiplicative identity.

32) $\frac{1}{2} \times 5 =$ ....

33) $\frac{1}{4} \times 4 =$ ....

34) $\frac{3}{7} \times 0 =$ ....

35) $\frac{1}{3}$ Year = ... Months.

36) $4\frac{2}{4}$ Year = ……………. Years …………… Months.

36) $\frac{5}{3}$ Month = …………… Days.

37) $4\frac{3}{4}$ Year = ……………. Years …………… Months.

38) ………… - $\frac{1}{2}$ = $5\frac{1}{2}$

39) ………… + $\frac{1}{5}$ = $2\frac{2}{3}$

40) $4\frac{5}{6}$ - ………… = $2\frac{3}{8}$

41) ………… - $4\frac{5}{7}$ = $2\frac{1}{2}$

42) $\frac{6}{7} = - + - + - + -$

43) $\frac{4}{9} = - + - + - + -$

44) $\frac{5}{8} \times \frac{24}{25} =$ …………

45) $\frac{8}{9} \times \frac{18}{40} =$ …………

46) $\frac{7}{8} \times \frac{0}{5} =$ …………

47) $2\frac{9}{8} \times \frac{16}{25} =$ …………

48) $3\frac{2}{3} \times 1\frac{4}{11} =$ …………

49) $\frac{3}{5} \times \ldots\ldots\ldots = \frac{3}{5}$

50) $2\frac{5}{7} \times \ldots\ldots\ldots = 0$

51) $\frac{3}{5} \times \ldots\ldots\ldots = 1$

52) The expression which represents 9 pizzas shared by 2 friends is ……………..

53) The expression which represents 3 boys shared 11 cupcakes is ………………

54) The expression which represents 15 pizzas shared by 4 girls is ………………

55) The expression which represents 6 classmates shared 18 pens is ………………

56) $19 \div 4 = 3\frac{\dots\dots}{\dots\dots}$

57) $27 \div 4 = 6\frac{\dots\dots}{4}$

58) …….. $\div 8 = 3\frac{3}{4}$

59) …….. $\div 7 = 4\frac{3}{7}$

60) $29 \div$ …….. $= 3\frac{10}{16}$

61) $5 \div \frac{2}{3} =$ …………

62) $\frac{5}{2} \div \frac{2}{5} =$ …………

63) $1\frac{1}{3} \div \frac{4}{3} =$ …………

64) $6 \div \frac{1}{3} =$ …………

65) 6 ÷ ……… = 24

66) There are ………. fifths in 3.

67) There are ………. sevenths in 6.

68) There are ………. thirds in 5.

69) There are ………. quarter in 8.

70) ………………… Is a straight path of points that go on forever in two directions that have no end point.

71) ………………… Is a part of a line and has 2 end points and all the points between them, It’s the shortest distance between two pints.

72) ………………… Is a part of a line, it has one end point and extends forever in only one direction.

73) // represents that the two lines are …………………..

74) ⊥ represents that the two lines are ………………..

75) The measure of the acute angle is ……………………..

76) The measure of the obtuse angle is ……………………..

77) The measure of the right angle is …………..

78) The measure of the straight angle is ………..

79) …………………….. divides the shape into two congruent parts.

80) Congruent sides means that the sides are …………………

81) Congruent angles means that the angles are …………………

82) ……………… Is a simple closed figure consists of line segments.

83) Triangle is a polygon which have ………….. sides, ………… angles and ………….. vertices.

84) Quadrilateral is a polygon which have ………….. sides, ………… angles and ………….. vertices.

85) Pentagon is a polygon which have ………….. sides, ………… angles and ………….. vertices.

86) Hexagon is a polygon which have ………….. sides, ………… angles and ………….. vertices.

87) The quadrilateral which each of its adjacent sides are congruent is called ……………….

88) The quadrilateral which has only one pair of parallel sides is called ……………….

89) The quadrilateral which has 2 pairs of parallel sides is called ………………

90) The quadrilateral which each of its opposite sides are parallel and congruent is called ……………….

91) The quadrilateral which has 2 pairs of parallel sides and 2 obtuse and 2 acute angles called ……………….

92) The quadrilateral which has 2 pair of parallel sides and all sides are congruent is called ……………….

93) The quadrilateral which has 2 acute and 2 obtuse angles and all sides are congruent is called ……………….

94) The quadrilateral which each of its opposite sides are parallel and congruent and has a right angle is called ……………….

95) The quadrilateral which each of its opposite sides are parallel and all sides are congruent and has a right angle is called ……………….

96) All of square, rectangle and rhombus are ……………..

97) A rhombus is a parallelogram with ………………….

98) A rectangle is a parallelogram with ………………….

99) A square is a parallelogram with ………………….

100) A square is a rectangle with ………………….

101) A square is a rhombus with ………………….

102) The right angle ……………… The acute angle.

103) The right angle ……………… The obtuse angle.

104) The straight angle ……………… The obtuse angle.

105) You can classify triangle with it's ……………… and ……………….

106) The triangle with 3 congruent sides called …………….

107) The triangle with 2 congruent sides called …………….

108) The triangle with 3 different sides called …………….

109) The triangle with 3 congruent angles called …………….

110) The triangle with a right angle called …………….

111) The triangle with an obtuse called …………….

112) Any equilateral triangle is also ………….. angled triangle.

113) Any triangle has at least ………. Acute angle.

114) Area of rectangle = ……………….

115) A rectangle with length 6 cm and width 5 cm, Then it's area = ………….. cm^2

116) A rectangle with length $\frac{3}{5}$ cm and width $\frac{2}{7}$ cm, Then it's area = ………….. cm^2

117) A rectangle with length 4.8 m and width 2.6 m, Then it's area = ……….. m^2

118) A rectangle with area 1 m^2 and width $\frac{7}{3}$ m, Then it's length = ………….. m^2

119) A rectangle with area $\frac{5}{6}$ m^2 and length $\frac{5}{3}$ m, Then it's width = ………….. m^2

120) The distance between two point on a ray = ……………………………… - ……………………………

121) …………………… is a pair of numbers used to locate any point on a coordinate plane.

122) The first number in an ordered pair which tells how far you move right from the origin point Is …………….

123) The second number in an ordered pair which tells how far you move up from the origin point Is …………….

124) ………………. Is a flat surface of a solid figure.

125) The base of the cube is a ……………….

126) The base of the cone is a ……………….

127) The base of the cylinder is a ……………….

128) The base of the square based pyramid is a ………………

129) I have no edges and no flat surface so I am a ……………….

130) I have one base and one pointy top so I am a ……………….

131) I have 6 faces and 12 edges so I am a ……………….

132) I have 2 circle flat surface so I am a ……………….

133) Cube is …………. dimensional shape.

134) The cube have ………… Of faces/bases, ……….. edges and ………. vertices.

135) The cuboid have ………… Of faces/bases, ……….. edges and ………. vertices.

136) The cone have ………… Of faces/bases, ……….. edges and ………. vertices.

137) The cylinder have ………… Of faces/bases, ……….. edges and ………. vertices.

138) The sphere have ………… Of faces/bases, ……….. edges and ………. vertices.

139) The square based pyramid have ………… Of faces/bases, ……….. edges and ………. vertices.

140) The cube base must be ………………… and the cuboid base maybe be ………………… or …………………..

141) Volume of the cuboid = ……………………………… Or ………………………………

142) ……………………… Is a circle divided into slices or sectors and it's a simple way to show the size that represented each item relative to the whole.

143) ……………………… Is a part of a circular region which is bounded by an arc of the circle and two radius.

144) The sum of all accumulative angles around one point = ………..°

145) $\frac{2}{3}$ of a circle = ……………..°

146) $\frac{1}{2}$ of a circle = ……………..°

147) $\frac{3}{8}$ of a circle = ………………°

148) $\frac{5}{12}$ of a circle = ………………°

Question (3) Essay problems.

1) Malek and Omar went to a restaurant, each one ordered pizza, Omar want his pizza cut into 8 parts and Malek want his pizza cut into 6 parts, Which one will have larger pieces to eat, and represent it by a model.

………
………
………

2) Yasmine ate $\frac{3}{8}$ of the bar of chocolate and her sister want to share the rest, Write the equation to show that how her sister can share it in 3 ways.

………
………
………

3) Convert from improper fraction to mixed number or vice versa.

A) $\frac{15}{8} =$ ……………

C) $4\,\frac{3}{8} =$ …………

B) $\frac{22}{5} =$ ……………

D) $3\,\frac{5}{6} =$ …………

4) Draw a model for each of the following.

A) $\frac{3}{8}$

C) $\frac{9}{6}$

B) $3\,\frac{3}{4}$

D) $2\,\frac{1}{2}$

5) Mariam went to the super market and bought $2\frac{1}{4}$ kg of sugar, $1\frac{2}{4}$ kg of rice and $1\frac{1}{4}$ kg of cheese, find the total weight did she bought.

....
....
....

6) Mohammed studied math for $2\frac{1}{2}$ h and English for $\frac{1}{2}$, How many hours did he study in all.

....
....
....

7) Adam ate $\frac{3}{8}$ of his pizza, Find the rest slices of the pizza.

....
....
....

8) Solve each of the following .

A) $1\frac{3}{4} + 1\frac{1}{4} + 1\frac{1}{4} =$ ....

B) $5\frac{2}{3} - 2\frac{1}{3} - \frac{1}{3} =$ ....

9) Find G.C.F and L.C.M for each of the following.

A) 8 , 6

....

B) 4 , 5

....

C) 8 , 12

………

D) 6 , 9

………

E) 12 , 9

………

F) 4 , 6

………

G) 4 , 9

………

10) Omar and Abdulrahman bought two rice with milk plates, Omar ate $\frac{5}{8}$ of his plate and Abdulrahman ate $\frac{5}{10}$ of his one, Find who ate more and find the rest in everyone plate.

………

………

………

11) Samah cooked a cupcake for bad luck she drooped $\frac{2}{10}$ of it and she ate $\frac{4}{10}$ of it, Find the rest fraction of the cupcake.

………

………

………

12) In Moaz birthday he bought 2 tart with the same size and cut the first into 4 parts and the second into 16 part if Maged eat 1 part of the first, Find how many parts Ibrahim needs to eat from the second to take the same amount of tart as Maged.

……

……

……

13) Aya and Marwa are planting flowers in their garden, Aya planted $\frac{2}{5}$ of it and Marwa planted $\frac{3}{6}$ of it, Find the fraction of the difference between what they planted and the fraction of the rest of the garden without planting.

……

……

……

14) Mr. Mohammed Hamdy has 18 books, If $\frac{2}{3}$ of them are blue and the rest are red, Find how many blue book and red book are with him.

……

……

……

15) In last El Clasico match there are 5 goals on the match, If Real Madrid score $\frac{12}{15}$ of these goals, Find how many goals did Real Madrid scored in this match.

……

……

……

16) Sally want to cook a cupcake for her birthday, She cooked 30 cupcake, If $\frac{4}{6}$ of them are with chocolate and the rest are with strawberry, Find how many cupcake are with chocolate and strawberry.

………
………
………

17) Moaz want to make a cake and every cake need $\frac{4}{5}$ of the flour packet, if Moaz want to make 5 cakes and he have 6 packets, Find the remainder with him.

………
………
………

18) Mazid have 3 hours if he studied Math for $\frac{3}{4}$ h and English for $\frac{7}{12}$ h and he played football in the remaining time, Find how many hours and minutes he will play.

………
………
………

19) Morad ate $\frac{2}{7}$ of the candy box, If there were 35 candy pieces in the box, Find How many candy piece left.

………
………
………

20) Mr. Omar will attend on his military service $\frac{3}{5}$ of his days in 1 year, Find how many day will he stay at home.

……
……
……

21) Mr. Mohammed Hamdy sleep for $\frac{4}{12}$ of his day, Find haw many hours does he sleep.

……
……
……

22) Mazen bought 6 apples and he ate $4\frac{1}{3}$ of it, Find how many apples are left with him.

……
……
……

23) Mr. Mohammed Hamdy and Mr. Omar Saleh bought 2 pizza, If Mr Mohammed ate $\frac{3}{8}$ of his and Mr. Omar ate all of his pizza, Find the fraction of what they eat together.

……
……
……

24) Amira drink $2\frac{1}{3}$ L of water and Marwa drink $1\frac{2}{5}$ L, Find How many liter did they drank together.

……
……
……

25) Each of Mariam and Sama has a candy bar, Mariam ate $\frac{2}{3}$ of her and Sama ate $\frac{5}{7}$, Find the difference between what they eat.

………
………
………

26) Yasmine wants to make a cake what needs $\frac{11}{15}$ L of Milk and she has only $\frac{2}{5}$ L, Find the fraction of milk what Yasmine needs.

………
………
………

27) When Maged spend $\frac{1}{2}$ of his money he find the rest money is 200, Find how much money did Maged have.

………
………
………

28) Mona bought a chocolate bar in the morning and ate $\frac{2}{5}$ of it and in the evening she ate $\frac{1}{3}$ of it, Find the left of the chocolate bar.

………
………
………

29) Ali is going to school, If he passed $\frac{3}{5}$ of the road find the fraction represent the rest road until he arrive his school.

………
………
………

30) Dina made 4 tart for her birthday and she cut every tart differently, after the party she noticed that there was $\frac{4}{15}$ left in the first tart, $\frac{5}{12}$ of the second, $\frac{3}{10}$ of the third and $\frac{1}{6}$ of the last tart are uneaten, Find:

A) How much tart are uneaten.

……………………………………………………………………………………………………
……………………………………………………………………………………………………
……………………………………………………………………………………………………

B) How much tart are eaten.

……………………………………………………………………………………………………
……………………………………………………………………………………………………
……………………………………………………………………………………………………

C) Which of the four tart had least eat.

……………………………………………………………………………………………………
……………………………………………………………………………………………………
……………………………………………………………………………………………………

D) Which of the four tart had highest eat.

……………………………………………………………………………………………………
……………………………………………………………………………………………………
……………………………………………………………………………………………………

E) Can Dina put the left tart in one pan.

……………………………………………………………………………………………………
……………………………………………………………………………………………………
……………………………………………………………………………………………………

31) Ahmed is a runner and he run every day $2\frac{2}{3}$ km for training, Find how many km will he run in 3 weeks.

………
………
………

32) Write 3 different multiplication expression that have the same product as $\frac{12}{7} \times 7$.

………
………
………

33) Ezz drank $\frac{3}{7}$ L of milk every day find how many liter did Ezz drank for 2 weeks.

………
………
………

34) Mona bought 5 bottle of soda which it's capacity is $2\frac{1}{2}$ L, Find how many liter of soda did Mona bought.

………
………
………

35) Mohammed is a writer, If he can write $7\frac{1}{2}$ paper in 1 hour, Find how many paper will he write in $\frac{2}{5}$ day.

………
………
………

36) Manar bought $2\frac{1}{2}$ kg of rice and Marwa bought $2\frac{2}{3}$ times more than Manar, Find how many kg did Marwa bought.

……

……

……

37) The distance between Mostafa's house and school is $3\frac{1}{3}$ km and the distance between his house and the club is $1\frac{1}{2}$ times more, Find the difference between two distance.

……

……

……

38) Mariam bought 4 box of candy and each box contains 3 candy bars, If Mariam ate $\frac{1}{4}$ of the candy bars then how many candy did she ate.

……

……

……

39) Hazem's tall is $1\frac{1}{10}$ m, his brother Ashraf is $1\frac{1}{5}$ times taller than him his other brother Mahmoud is $1\frac{1}{3}$ times taller than Ashraf, Find Mahmoud tall.

……

……

……

40) If the price of 7 pens is 63 L.E, Then What is the price of each pen.

……

……

……

41) The flower shop has 20 m of ribbon to make equal sized bows for each of 6 bouquets they are making, How many meter of ribbon can be used for each bouquets.

………
………
………

42) Osman bought 3 pizzas for him and his 5 friends, Find the share of each one.

………
………
………

43) Ali want to distribute 23 L of milk among 5 bottles equally, Find how many liter will be in each bottle.

………
………
………

44) Marwan ran 5 km in $\frac{1}{2}$ h, Find how many kilometer per minute did he ran.

………
………
………

45) Three friends shard Uber coast equally and they paid 48 pound, Find how much money did each one paid.

………
………
………

46) Hossam needs to ran 20 km and he ran 1.8 km every day, Find how many days Hossam needs to reaches his target.

……
……
……

47) Nour bought 0.75 kg of sunflower roasted seeds and she wants to share it equally between her and her 5 friends, Find the share of each one.

……
……
……

48) Determine the type of each triangle:

A) If m(A) = 50°, m(B) = 40° and m(C) = 90°

Then triangle ABC is ……………………………………

B) If m(A) = 50°, m(B) = 70° and m(C) = 60°

Then triangle ABC is ……………………………………

C) If m(A) = 100°, m(B) = 40° and m(C) = 40°

Then triangle ABC is ……………………………………

D) If m(A) = 60°, m(B) = 60° and m(C) = 60°

Then triangle ABC is ……………………………………

E) If m(A) = 91°, m(B) = 48° and m(C) = 41°

Then triangle ABC is ……………………………………

F) If m(A) = 45°, m(B) = 45° and m(C) = 90°

Then triangle ABC is ……………………………………

49) Determine the type of each triangle:

A) If XY = 3 m, YZ = 4 m and XZ = 5 m

Then triangle XYZ is ………………………………

B) If XY = 7 m, YZ = 7 m and XZ = 7 m

Then triangle XYZ is ………………………………

C) If XY = 4 m, YZ = 4 m and XZ = 5 m

Then triangle XYZ is ………………………………

D) If XY = 6 m, YZ = 6 m and XZ = 6 m

Then triangle XYZ is ………………………………

E) If XY = 8 m, YZ = 6 m and XZ = 10 m

Then triangle XYZ is ………………………………

F) If XY = 12 m, YZ = 12 m and XZ = 10 m

Then triangle XYZ is ………………………………

50) Determine the type of each triangle:

A) If LM = 3 cm, MN = 4 cm, NL = 5 cm, m(N) = 40°, m(L) = 50° and m(M) = 90°

Then triangle LMN is ……………………………………

B) If LM = 8 cm, MN = 8 cm, NL = 8 cm, m(N) = 60°, m(L) = 60° and m(M) = 60°

Then triangle LMN is ……………………………………

C) If LM = 12 cm, MN = 14 cm, NL = 10 cm, m(N) = 60°, m(L) = 70° and m(M) = 50°, Then triangle LMN is ……………………………………

D) If LM = 6 cm, MN = 6 cm, NL = 8 cm, m(N) = 40°, m(L) = 40° and m(M) = 100°

Then triangle LMN is ……………………………………

51) Draw the ordered rectangle and find its area

A) Rectangle with length 6 cm

and width 5 cm.

……………………………………………

B) Rectangle with length 3.5 cm

and width 2.5 cm.

……………………………………………

A) Rectangle with length 5.5 cm

and width 3 cm.

……………………………………………

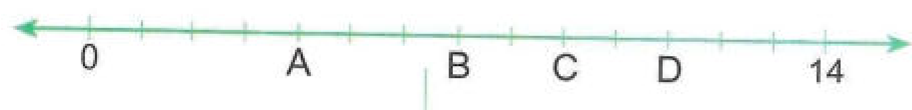
A) Rectangle with length 4 cm

and width 1.5 cm.

……………………………………………

52) Find:

A) Value of A, B, C and D.

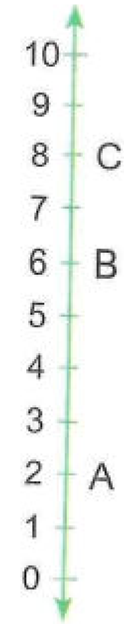


……………………………………………………………………………………………………

B) Find The distance between A and D.

……………………………………………………………………………………………………

53) Find:



A) Value of A, B and C.

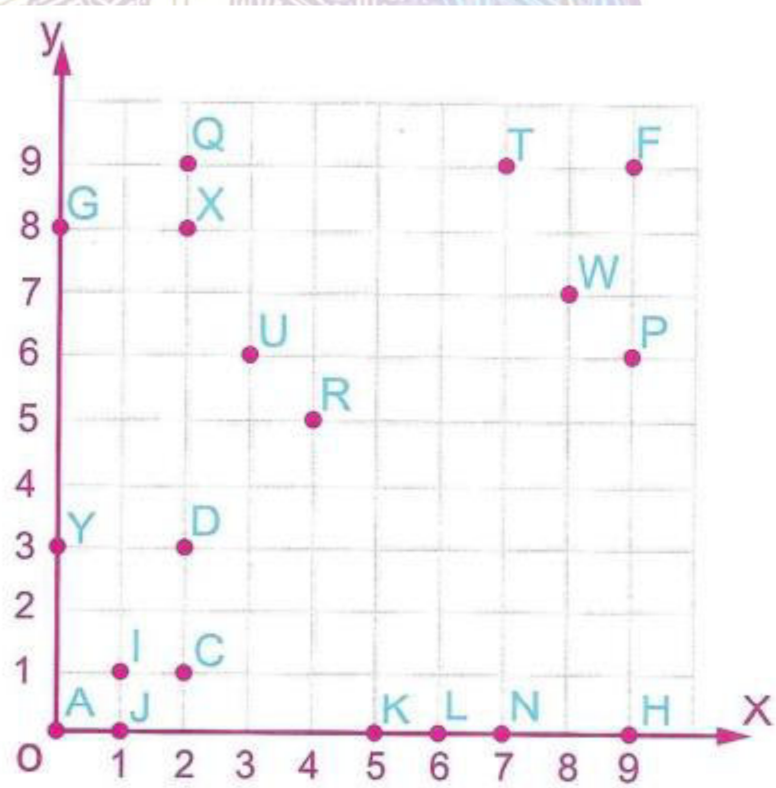
……………………………………………………………………………………

B) Find The distance between A and C.

……………………………………………………………………………………

54) Find each of the following ordered pair.

A ……………… R ………………
Y ……………… K ………………
G ……………… L ………………
J ……………… N ………………
I ……………… T ………………
C ……………… W ………………
D ……………… H ………………
X ……………… P ………………
Q ……………… F ………………
U ………………



55) Graph each of the following ordered pair.

A (3 , 5) B (2 , 7)

C (0 , 8) D (8 , 0)

E (4 , 1) F (6 , 2)

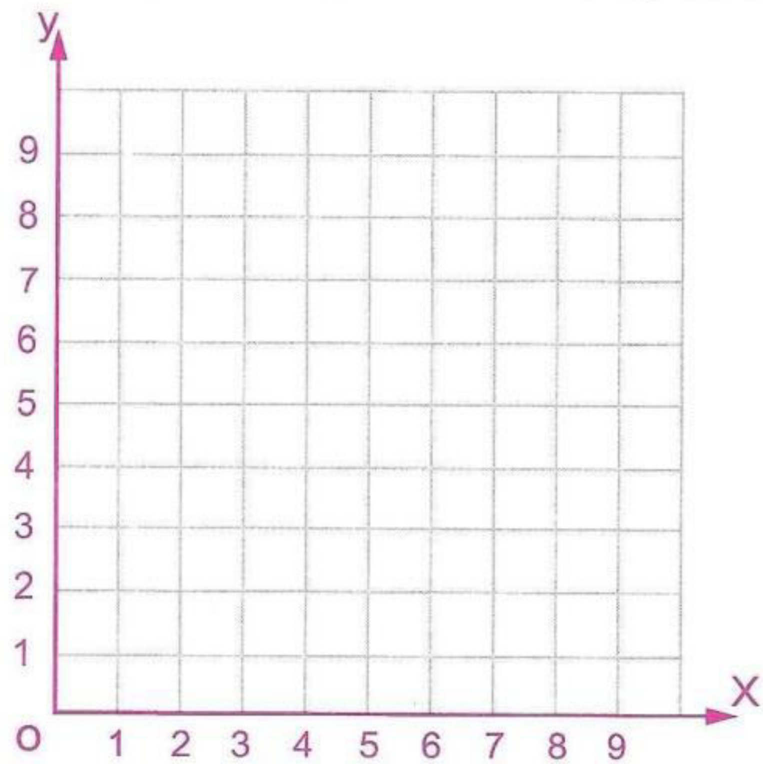
G (1 , 9) H (2 , 3)

I (3 , 0) J (0 , 7)

K (3 , 9) L (0 , 0)

M (9 , 5) N (8 , 0)

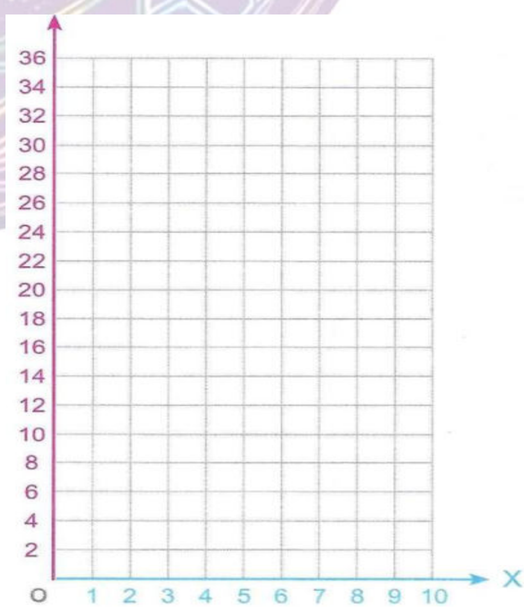
O (3 , 3) Z (9 , 9)



56) Identify the pattern of X and Y and complete the table and graph it.

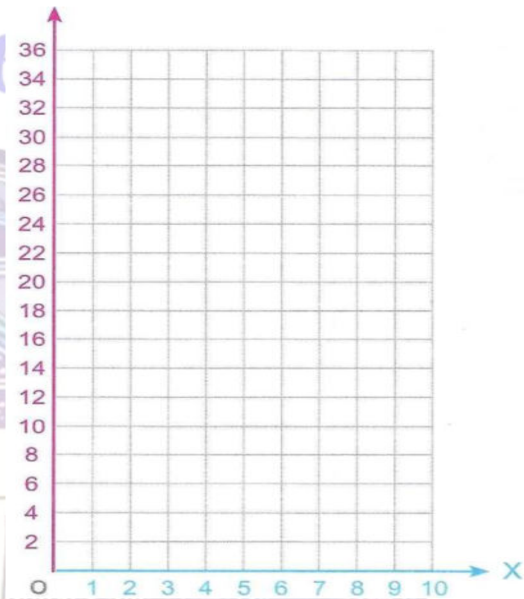
A)

X Value	1	2	3	4	…………..	…………..	…………..
Y Value	2	4	6	8	…………..	…………..	…………..



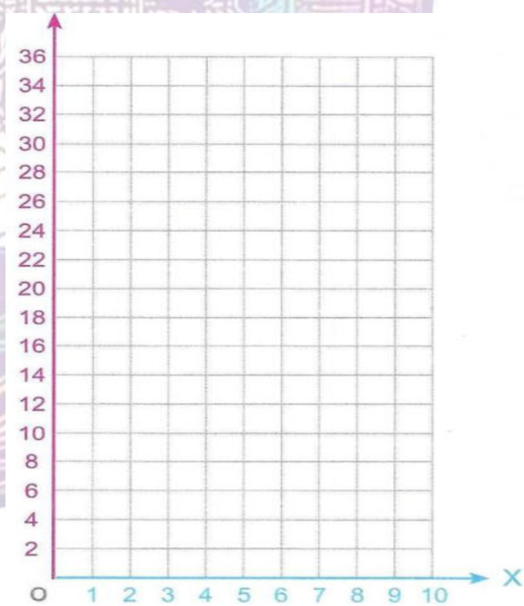
B)

X Value	1	2	3	4	…………	…………	…………
Y Value	3	6	9	12	…………	…………	…………



C)

X Value	1	2	3	…………	…………	…………	…………
Y Value	4	8	12	…………	…………	…………	…………



57) Mr. Omar Saleh drives his car and covers 3 km each minute, Deduce the relation between the covered distance S and the elapsed time M.

A) What is the rule that represent this relation.

………

B) Fill the table.

M Value	1	2	3	………….	………….	………….	………….
S Value	………….	………….	………….	………….	………….	………….	………….

A) What is the covered distance after 30 minutes.

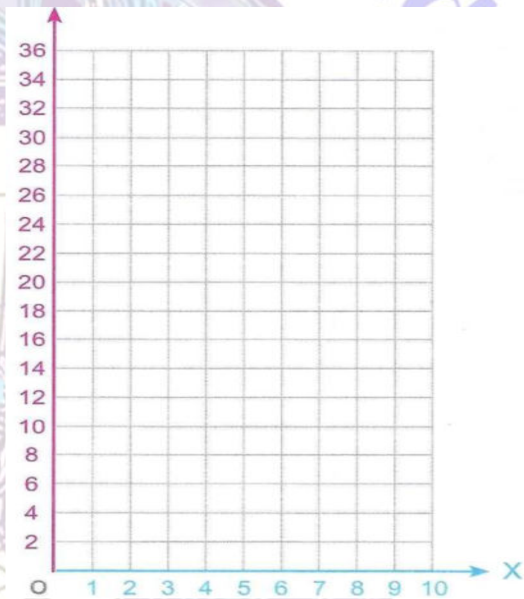
……………………………………………………….

B) What is the covered distance after $\frac{3}{4}$ minutes.

……………………………………………………….

C) What is the elapsed time after 120 km.

……………………………………………………….



58) Guess who am I ?

A) I have no edges, no flat surface and no vertices I am a ………………

B) I have no edges, 2 flat surface and no vertices I am a ………………

C) I have 12 edges, 6 flat surface and 8 vertices I am a ……………… or ………………

D) I have no edges, 1 flat surface and 1 vertices I am a ………………

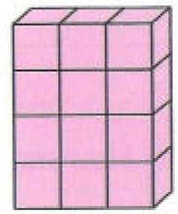
E) I have 8 edges, 5 flat surface and 5 vertices I am a ………………

59) Find the volume of each of the following

A) ……………………………………………………

……………………………………………………

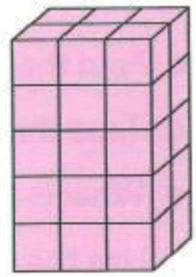
……………………………………………………



B) ……………………………………………………

……………………………………………………

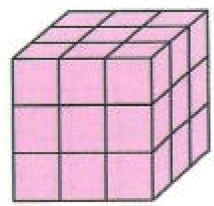
……………………………………………………



C) ……………………………………………………

……………………………………………………

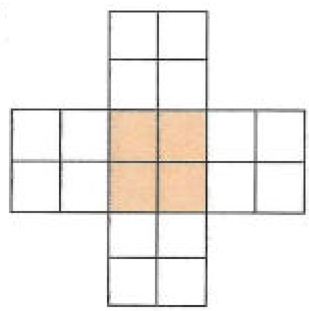
……………………………………………………



D) ……………………………………………………

……………………………………………………

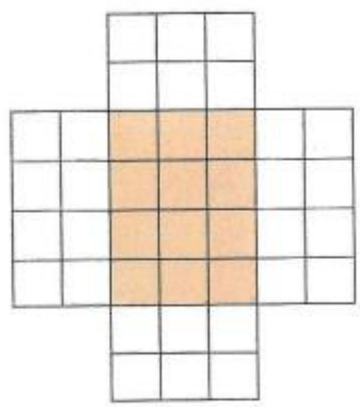
……………………………………………………



E) ……………………………………………………

……………………………………………………

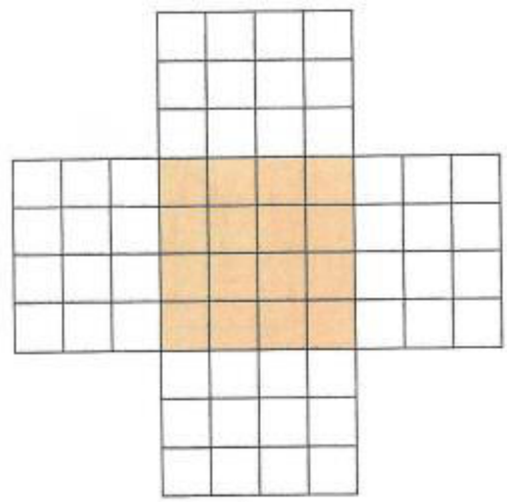
……………………………………………………



F) ……………………………………………………….

………………………………………………………….

………………………………………………………….



61) In your opinion, Is there a difference between volume and capacity ?

………

………

………

62) Find the volume of each of the following.

A) A cuboid with length 6 cm, width 5 cm and height 3 cm.

………

………

B) A cuboid with length 8 cm, width 4 cm and height 7 cm.

………

………

C) A cuboid with length 10 m, width 10 m and height 4 m.

………

………

D) A cuboid with base area 20 cm^2 and height 5 cm.

……

……

E) A cuboid with base area 25 m^2 and height 6 m.

……

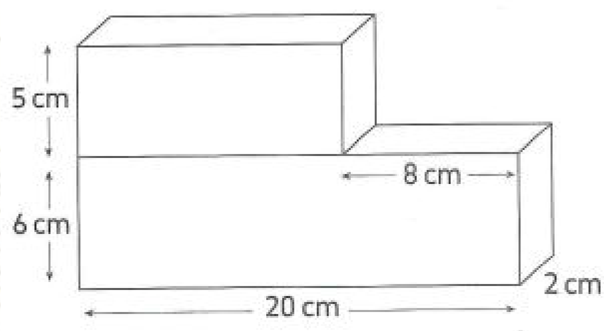
……

F) A cuboid with base area 30 cm^2 and height 10 cm.

……

……

63) Find the total volume of each of the following.

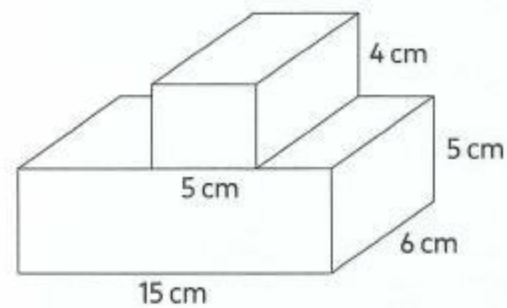


A) ……………………………………………………

……………………………………………………

……………………………………………………

……………………………………………………



B) ……………………………………………………

……………………………………………………

……………………………………………………

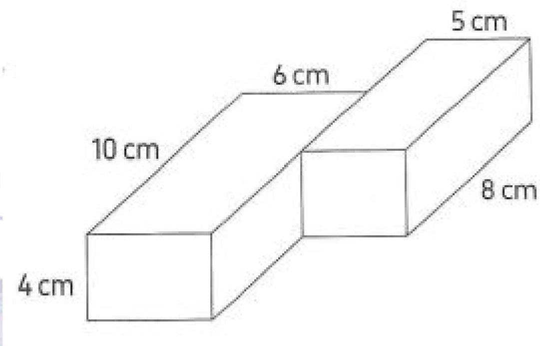
……………………………………………………

C) ……………………………………………………

……………………………………………………

……………………………………………………

……………………………………………………

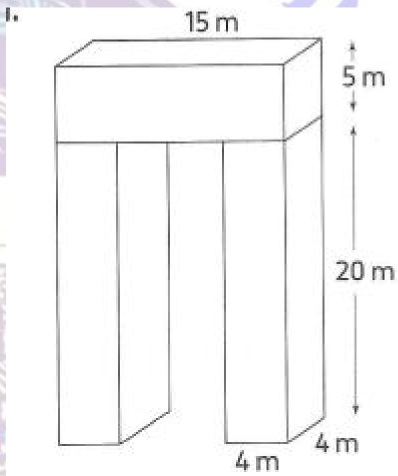


D) ……………………………………………………

……………………………………………………

……………………………………………………

……………………………………………………



64) Find the missing in each of the following.

A) A cuboid with volume 240 cm^3, length 6 cm and width 4cm.

……………………………………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………………………………

B) A cuboid with volume 150 cm^3, height 5 cm and width 5cm.

……………………………………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………………………………

C) A cuboid with volume 64 cm^3, length 4 cm and height 4cm.

……
……
……

D) A cuboid with volume 400 cm^3 and base area 50 cm^2.

……
……
……

E) A cuboid with volume 36 cm^3 and base area 12 cm^2.

……
……
……

F) A cuboid with volume 250 cm^3 and height 10 cm.

……
……
……

65) 15750 cm^3 of water is poured into a vessel in the shape of cuboid with internal dimensions 35 cm, 30 cm and 20 cm, Find the height of the water in the vessel and the volume of the water needed to be added in the vessel to be filled completely.

……
……
……
……
……
……

66) A swimming pool in the shape of cuboid with base area 2500 m^2 and height 7 m, Find it's volume.

……

……

……

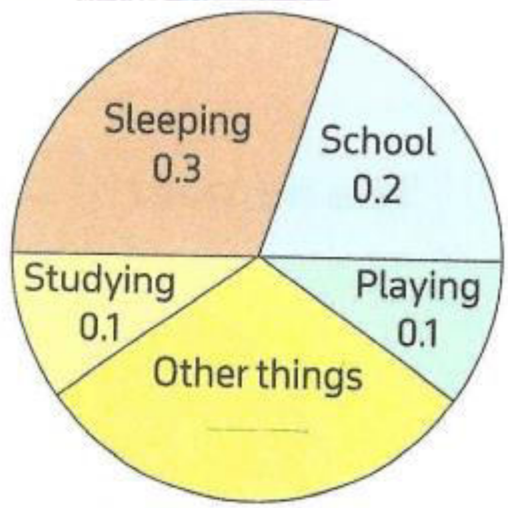
67) A container of volume 45000 cm^3 is full of oil, oil was poured into a cuboid shaped container with square base of side length 30 cm, Find the height of oil in the new container.

……

……

……

68) Find each of the following.



A) Fraction of school.

……………………………………………………….

B) Fraction of sleeping.

……………………………………………………….

C) Decimal of other things.

……………………………………………………….

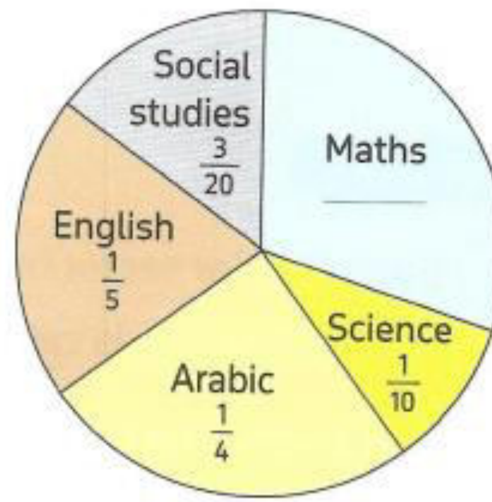
D) Fraction of playing.

……………………………………………………….

E) Fraction of school and other things together.

……………………………………………………….

69) Find each of the following.



A) Fraction of Math.

……………………………………………………….

B) Decimal of English.

……………………………………………………….

C) Decimal of Arabic.

……………………………………………………….

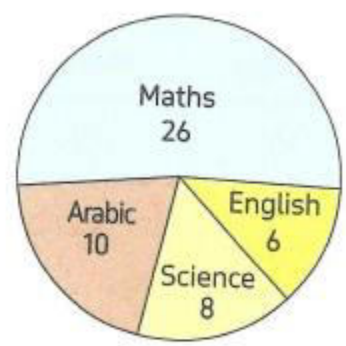
D) Decimal of Math and social studies together.

……………………………………………………….

E) Decimal of English and Arabic together.

……………………………………………………….

70) Complete each of the following table.



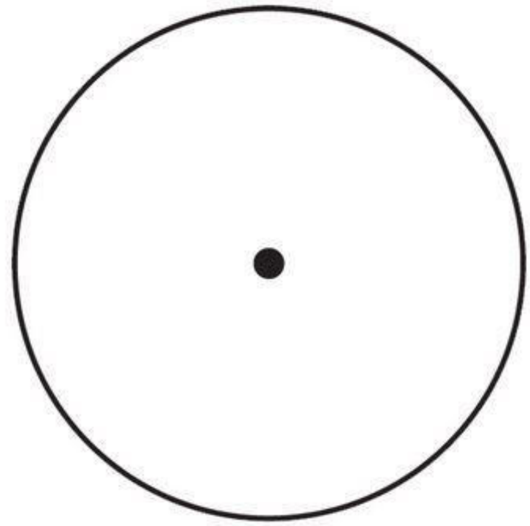
Subject	Math	English	Science	Arabic
Frequency				

Subject	Math	English	Science	Arabic
Fraction				

Subject	Math	English	Science	Arabic
decimal				

71) Represent each of the following data by a pie chart and complete the tables.

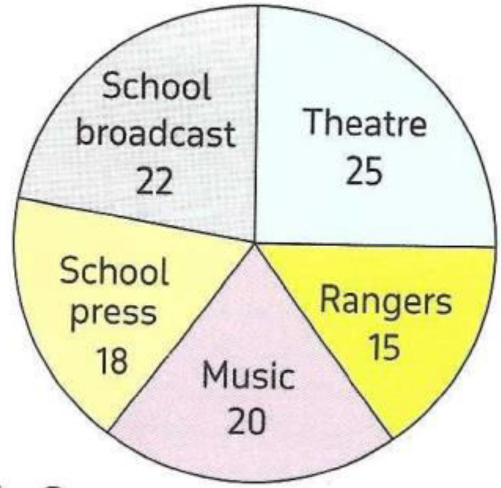
Sport	Football	Basketball	Tennis
N of pupils	50	25	25



Sport	Football	Basketball	Tennis
Fraction			

Sport	Football	Basketball	Tennis
Decimal			

72) Find each of the following.



A) Fraction of Theatre.

……………………………………………………..

B) Decimal of School press.

……………………………………………………..

C) Decimal of Music.

……………………………………………………..

D) Fraction of School broadcast and school press together.

……………………………………………………..

E) Which activity is the most preferred.

……………………………………………………..

F) Compare between fraction of Theatre and rangers together and School broadcast and school press together.

……………………………………………………..

Choose the correct answer:

1 The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is ________

A. 18 **B.** 6 **C.** 3 **D.** 2

2 The simplest form of $\frac{6}{12}$ is ________

A. $\frac{1}{2}$ **B.** $\frac{2}{3}$ **C.** $\frac{5}{6}$ **D.** $\frac{12}{6}$

3 $\frac{2}{6} \times 3 =$ ________

A. $\frac{5}{6}$ **B.** 1 **C.** 36 **D.** $\frac{12}{3}$

4 It is impossible to draw a triangle with two ________ angles.

A. acute **B.** right **C.** obtuse **D.** both b and c

5 $\frac{1}{3} \div 4 =$ ________

A. 12 **B.** $\frac{4}{3}$ **C.** $\frac{3}{4}$ **D.** $\frac{1}{12}$

6 $2\frac{1}{4} \times 4 =$ ________

A. $8\frac{1}{4}$ **B.** 9 **C.** $9\frac{1}{2}$ **D.** 10

7 The triangle whose side lengths are ________ is an isosceles triangle.

A. 4 , 5 , 3 cm **B.** 4 , 4 , 5 cm **C.** 3 , 5 , 6 cm **D.** 2 , 3 , 4 cm

8 $\frac{2}{15} \times \frac{5}{6} =$ ________

A. $\frac{1}{3}$ **B.** $\frac{1}{6}$ **C.** $\frac{1}{8}$ **D.** $\frac{1}{9}$

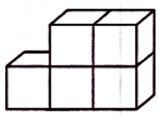
9 The triangle whose side lengths are 5 cm , 4 cm and 5 cm is ________ triangle.

A. an equilateral **B.** an isosceles **C.** a scalene **D.** a right

10 The same denominator of $\frac{1}{6}$ and $\frac{1}{8}$ is ________

A. 30 **B.** 14 **C.** 16 **D.** 24

11 The volume of the opposite figure = ________ cubic units.



A. 4 **B.** 5 **C.** 7 **D.** 6

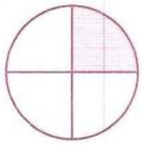
12 The cube has ________ faces.

A. 6 **B.** 4 **C.** 8 **D.** 12

13 $5 \times \frac{3}{7}$ ________ $4 \times \frac{3}{7}$

A. > **B.** < **C.** = **D.** otherwise

14 The circular degree that match the fraction of the circle is shaded = ________



A. 60° **B.** 90° **C.** 120° **D.** 180°

15 $\frac{1}{3} \times 6 =$ ________

A. 2 **B.** $\frac{1}{2}$ **C.** 6 **D.** $\frac{1}{3}$

16 The origin point is ________

A. (1 , 0) **B.** (0 , 1) **C.** (0 , 0) **D.** (1 , 1)

17 Any triangle has at least ________ acute angle[s].

A. 1 **B.** 2 **C.** 3 **D.** 4

18 Area of rectangle = ________

A. $L + W$ **B.** $L \times W$ **C.** $L \div W$ **D.** $(L + W) \times 2$

19 In the right-angled triangle , there are ________ right angle[s].

A. 1 **B.** 2 **C.** 3 **D.** 4

20 The area of a rectangle its length 4 cm and width 3 cm is ________ $cm.^2$

A. 3 **B.** 4 **C.** 12 **D.** 7

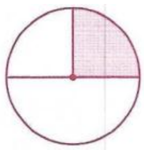
21 If $3\frac{1}{5} + b = 5\frac{1}{5}$, then b = ________

A. 2 **B.** 5 **C.** 3 **D.** 1

22 The type of triangle which the measure of its angles are 50° , 60° , 70° is ________ triangle.

A. acute. **B.** right **C.** obtuse **D.** isosceles

23 The opposite figure represents 40 persons participate in a survey , then the number of persons of who represents shaded part is ________ persons.



A. 40 **B.** 30 **C.** 20 **D.** 10

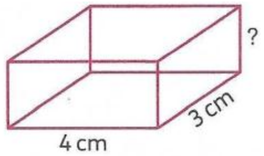
24 $3 \div \frac{1}{2}$ ______ 6

A. $>$ B. $<$ C. $\leq$ D. $=$

25 A cuboid has 4 horizontal layers and 5 cube units in each layer, then its volume = ______ cube units.

A. 9 B. $\frac{5}{4}$ C. $\frac{4}{5}$ D. 20

26 In the opposite figure :



The volume of cuboid is 24 cm^2, then the missing dimension is ______ cm.

A. 2 B. 6 C. 8 D. 12

27 $\frac{1}{3} = \frac{\quad}{9}$

A. 3 B. 1 C. 27 D. 7

28 $2\frac{1}{3} \times 5 = (2 \times 5) + (\text{______} \times 5)$

A. 2 B. $\frac{1}{3}$ C. 10 D. 15

29 $\frac{3}{7} + \frac{4}{7} =$ ______

A. 1 B. 4 C. 3 D. 7

30 The volume of cube with side length 3 cm is ______ cm^3

A. 3 B. 9 C. 27 D. 30

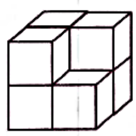
31 The origin point on the coordinate plane is ______

A. 0 B. (0 , 0) C. (4 , 0) D. (1 , 3)

32 The triangle whose side lengths are 5 cm , 3 cm , 5 cm is called ______ triangle.

A. isosceles B. equilateral C. scalene D. otherwise

33 The volume of the opposite figure = ______ 



A. 3 B. 4

C. 7 D. 8

34 The triangle of side lengths 7 cm. , 3 cm. , 7 cm. is called ______ triangle.

A. an isosceles B. an equilateral C. a scalene D. otherwise

35 $5\frac{1}{3}+2\frac{2}{3}=$ ______

A. $8\frac{1}{3}$ **B.** $3\frac{1}{3}$ **C.** $7\frac{1}{3}$ **D.** 8

36 $\frac{2}{5}\times$ ______ $=1$

A. 2 **B.** 5 **C.** $\frac{2}{5}$ **D.** $\frac{5}{2}$

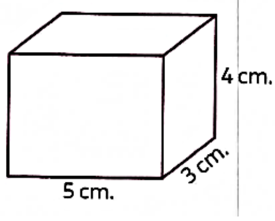
37 The volume of the opposite figure = ______ cm^3

A. 60

B. 20

C. 15

D. 12



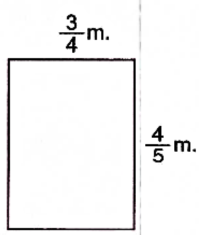
38 A quadrilateral which has four right angles is called ______

A. parallelogram. **B.** rhombus. **C.** rectangle. **D.** trapezium.

39 The area of the opposite rectangle = ______ m^2

A. $\frac{7}{9}$ **B.** $\frac{1}{2}$

C. $\frac{3}{4}$ **D.** $\frac{3}{5}$

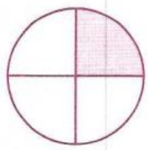


40 $\frac{7}{4}\times\frac{4}{7}$ ______ $\frac{7}{4}$

A. > **B.** = **C.** < **D.** otherwise.

41 The circular degree that match the fraction of the sector that is shaded = ______ °

A. 60 **B.** 90 **C.** 120 **D.** 180



42 The opposite triangle is ______ angled triangle.

A. an acute **B.** an obtuse

C. a right **D.** an equilateral



43 The measure of central angle of the sector that represents $\frac{1}{4}$ the circle = ______ °

A. 45 **B.** 60 **C.** 90 **D.** 25

44 The ________ has one vertex.

A. cube　B. cylinder　C. cone　D. sphere

45 The solid which has no edges , no faces , no vertices is called ________

A. cube　B. sphere　C. cone　D. cuboid

46 The point (0 , 3) lies on ________

A. x-axis.　B. y-axis.　C. origin point.　D. otherwise.

47 $3 \times \frac{2}{5} =$ ________

A. $\frac{3}{5}$　B. $\frac{2}{15}$　C. 1　D. $1\frac{1}{5}$

Complete:

1 The number of edges in a cube is ________

2 If $1\frac{3}{11} + Y = 4\frac{6}{11}$, then Y = ________

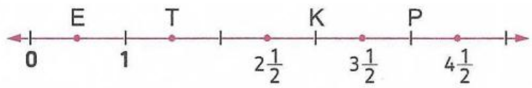
3 The circular degree that match the fraction of the circle that is shaded = ________°



4 In the ordered pair (5 , 7) , the x-coordinate is ________

5 The y-coordinate of the point (1 , 4) is ________

6 The distance between K and E = ________ units.



7 The volume of cuboid with dimensions 7 cm , 2 cm , 5 cm = ________ cm³

8 The volume of the rectangular prism = ________ × ________ × ________

9 The L.C.M of the denominators of $\frac{1}{3}$ and $\frac{1}{7}$ is ________

10 In Δ ABC , AB = 5 cm , BC = 7 cm and AC = 3 cm , then the triangle is ________

11 2 hours = ________ minutes.

12 The measure of whole circle = ________°

13 The volume of cuboid 100 cm^3, its width 5 cm, its height 2 cm, then its length = ________ cm.

14 $\frac{1}{3}$ of 3 = ________

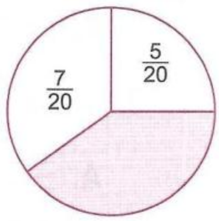
15 The product of $\frac{4}{5}$ and $\frac{3}{3}$ is ________

16 The point (0 , 3) lies on ________ axis

17 The point (3 , 0) lies on ________ -axis

18 In the opposite figure :

The fraction of the shaded pie chart = ________



19 $\frac{1}{4} \times$ ________ $= 1$

20 $\frac{4}{5} \times \frac{1}{3} =$ ________

21 $8 \div \frac{1}{3} =$ ________

22 If $4\frac{7}{9} + n = 5$, then n = ________

23 The area of square with side length 9 cm. = ________ cm^2

24 $3\frac{1}{2} + 2\frac{1}{2} =$ ________

25 $\frac{1}{4} \times$ ________ $= 2$

26 $3 \div$ ________ $= 6$

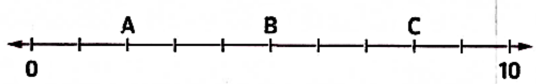
27 The triangle with equal sides is called ________ triangle.

28 The angle of measure less than 90° is called ________ angle.

29 **Use the number line to answer the questions :**

a. What is the value of B ?

b. How far is point C from point A ?



30	If $x + 2\frac{1}{7} = 6\frac{4}{7}$, then x = ...

31 The following table shows the fraction of chicken production for three farms during October :

The farm	First	Second	Third	Total
The Fraction	$\frac{1}{4}$	$\frac{1}{2}$	?	1

The fraction that represents the third farm = ...

Essay Problems:

1 **In the opposite coordinate :**

A. Graph the figure ABCD where

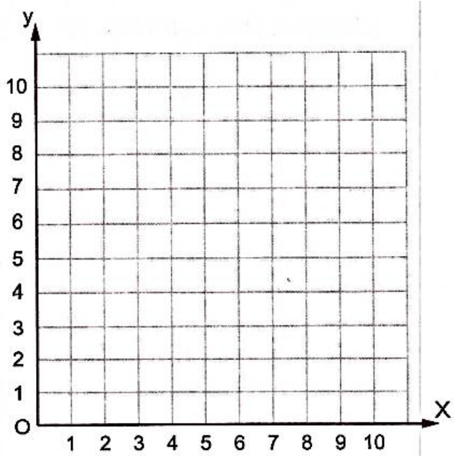
A (2 , 8)

, B (2 , 4)

, C (6 , 4)

, D (6 , 8)

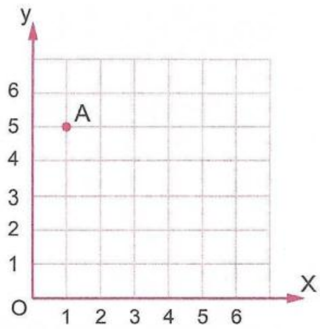
B. Connect the points in order. What is the name of the polygon ?



2 **On the coordinate plane :**

A. The coordinate of point A (........ , ...)

B. Plot the point B (5 , 2) = ...



3 If $3\frac{1}{2} + b = 7$, then b = ...

4 $2\frac{1}{2} - 1\frac{1}{4} =$ ....

5

Ahmed's herb garden is 5 units long by $\frac{2}{15}$ unit wide.
What is the area of Ahmed's herb garden.

____

6

Amal studies Math for $3\frac{1}{2}$ hours , and English for 20 minutes.

How many hours did Amal study ?

____

7

Ali studied Arabic $3\frac{1}{2}$ hours and Science for $2\frac{1}{2}$ hours. How many hours did Ali study in all ?

____

8

Yasser has 30 feddans of agriculture land , he planting $\frac{5}{6}$ of the land .
What is the number of feddans planting ?

____

9

A swimming pool the length of its base is 50 meters , the width is 20 meters and the height is 3 meters. Find the volume of the swimming pool.

____

10

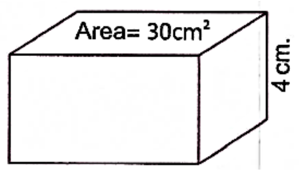
$3\frac{1}{2} \times \frac{5}{7} =$ __________ by any way (with steps)

____

11

Find the volume of the opposite cuboid ?

____



12

There are 5 kilograms of flour. A worker divides the flour into packages of $\frac{1}{4}$ kg.
How many packages will be made ?

____

Q1: Choose the correct answer:

1 $\frac{16}{48} = \frac{....}{3}$

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4

2 $1\frac{1}{3}$ year = ... months.

ⓐ 16 ⓑ 15 ⓒ 18 ⓓ 14

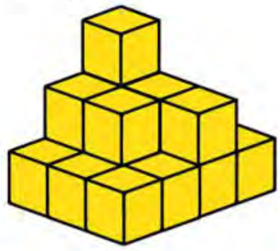
3 $3\frac{1}{4} + m = 5\frac{1}{2}$, then the value of m = ...

ⓐ $1\frac{1}{2}$ ⓑ $2\frac{1}{2}$ ⓒ $1\frac{1}{4}$ ⓓ $2\frac{1}{4}$

4 A rhombus with four right angles is a ....

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

5 The volume of the opposite figure is .... cubic centimeters.



ⓐ 15 ⓑ 18 ⓒ 12 ⓓ 16

6 75°, 80°, and 25° are the measures of the angles of .... triangle

ⓐ acute ⓑ right ⓒ obtuse ⓓ otherwise

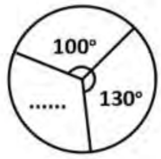
7 The point .... lies on the y-axis.

ⓐ (3 , 0) ⓑ (0 , 5) ⓒ (6 , 2) ⓓ (5 , 1)

8 A .... is a 3D shape that has two faces, each in the shape of a circle.

ⓐ cylinder ⓑ sphere ⓒ cone ⓓ circle

9 In the opposite figure, the measure of the central angle of the colored circular sector equals ....°.



ⓐ 360 ⓑ 130 ⓒ 230 ⓓ 30

10 $7 \div \frac{1}{6} = 7 \times$ ....

ⓐ 3 ⓑ 1 ⓒ 6 ⓓ $\frac{7}{6}$

11 $\frac{6}{9}$ – .... = $\frac{1}{3}$

ⓐ $\frac{1}{3}$ ⓑ $\frac{1}{9}$ ⓒ $\frac{5}{9}$ ⓓ $\frac{2}{3}$

12 $3\frac{3}{4}$ hour = ... minutes.

ⓐ 250 ⓑ 225 ⓒ 195 ⓓ 230

13 A .... is a quadrilateral with one pair of acute angle and one pair of obtuse angles.

ⓐ rectangle ⓑ square ⓒ trapezium ⓓ parallelogram

14 $\frac{3}{4} \times 6$ = ... × 3

ⓐ $\frac{3}{4}$ ⓑ $\frac{2}{3}$ ⓒ $\frac{3}{2}$ ⓓ $\frac{6}{9}$

15 $\frac{3}{4}$ × .... = $\frac{3}{8}$

ⓐ $\frac{1}{4}$ ⓑ $\frac{2}{2}$ ⓒ $1\frac{1}{2}$ ⓓ $\frac{1}{2}$

16 $\frac{15}{35} \times 7\frac{3}{5} = \frac{15}{35} \times$ [7 + ...]

ⓐ $\frac{3}{5}$ ⓑ $\frac{15}{35}$ ⓒ $\frac{35}{15}$ ⓓ $7\frac{3}{5}$

17 The angle which represents $\frac{1}{3}$ of a circle is ....

ⓐ 120 ⓑ 90 ⓒ 180 ⓓ 135

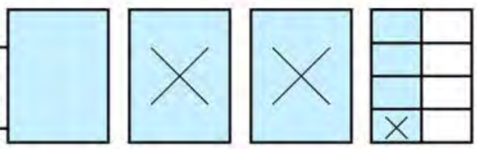
18 If the area of one face of a cube is 9 cm^2. Then the volume equals .... cm^3.

ⓐ 27 ⓑ 729 ⓒ 81 ⓓ 3

19 The area of rectangle its dimensions $3\frac{1}{5}$ cm, and $2\frac{1}{2}$ cm is ....

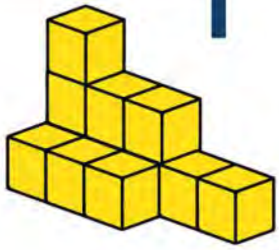
ⓐ 8 m^2 ⓑ 8 cm^2 ⓒ 8 km^2 ⓓ 8 cm

20 The subtraction problem that represents the following model is ....



ⓐ $2\frac{1}{8} - 1\frac{1}{2}$ ⓑ $3\frac{1}{2} - 2\frac{1}{8}$

ⓒ $3\frac{4}{8} - 1\frac{1}{8}$ ⓓ $3\frac{1}{8} - 2\frac{3}{8}$



21 The volume of the opposite 3D shape is .... cm^3.

ⓐ 9 ⓑ 10 ⓒ 12 ⓓ 14

22 The pentagon has ....side[s].

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 5

23 $\frac{15}{6}$ = ...

ⓐ $3\frac{2}{6}$ ⓑ $2\frac{1}{4}$ ⓒ $2\frac{1}{2}$ ⓓ $1\frac{1}{2}$

24 $5 \times \frac{4}{7}$ is equivalent to ....

ⓐ 20×7 ⓑ $2 \times \frac{10}{7}$ ⓒ $3 \times \frac{3}{7}$ ⓓ $6 \times \frac{3}{7}$

25 Area of rectangle = ...

ⓐ L × W ⓑ W × 2 ⓒ W + L + 2 ⓓ (W + L) × 2

26 The rectangle which has two adjacent sides are equal in length is called ....

ⓐ square ⓑ rhombus ⓒ kite ⓓ parallelogram

27 $\frac{1}{2} + \frac{6}{8} + 5$ = ...

ⓐ $5\frac{7}{8}$ ⓑ $6\frac{1}{8}$ ⓒ $5\frac{1}{4}$ ⓓ $6\frac{1}{4}$

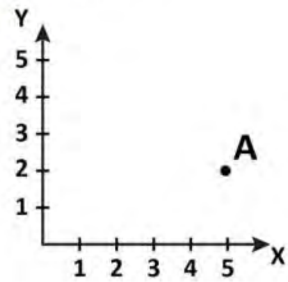
28 The measure of the central angle of the circular sector that represents $\frac{1}{8}$ of the circle is .... °.

ⓐ 80 ⓑ 90 ⓒ 45 ⓓ 125

29 The triangle which has 3 different sides is called ....

ⓐ scalene ⓑ equilateral ⓒ isosceles ⓓ otherwise

30 The order pair that represents the point A is ....



ⓐ (2 , 5) ⓑ (5 , 2)

ⓒ (2 , 7) ⓓ (7 , 2)

31 A cuboid with base area is 18 cm^2. and its height is 2 cm. Then its volume equals .... cm^3

(a) 36 (b) 72 (c) 9 (d) 20

32 $\frac{6}{7} + \frac{9}{14} = 1 +$ ....

(a) $\frac{21}{14}$ (b) $\frac{9}{7}$ (c) $\frac{1}{2}$ (d) 7

33 The fraction $3\frac{3}{4}$ by regrouping is ....

(a) $\frac{14}{4}$ (b) $2\frac{6}{4}$ (c) $1\frac{11}{4}$ (d) $2\frac{5}{4}$

34 If 8 ÷ k = 24, then the value of k = ...

(a) 3 (b) $\frac{1}{3}$ (c) 32 (d) $\frac{1}{2}$

35 Any triangle contains at least .... acute angle(s).

(a) 1 (b) 2 (c) 3 (d) 0

36 The sum of measures of the angles around a point equals .... °.

(a) 60 (b) 90 (c) 180 (d) 360

37 $\frac{5}{8} \times \frac{4}{15} = \frac{1}{2} \times$ ....

(a) $\frac{1}{15}$ (b) $\frac{2}{3}$ (c) $\frac{2}{10}$ (d) $\frac{1}{3}$

38 The rectangle has .... of parallel sides.

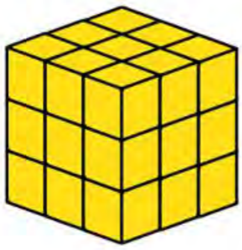
(a) 1 pair (b) 2 pairs (c) 3 pairs (d) 4 pairs

39 The measure of the central angle that represents the opposite colored sector is .... °.



(a) 36 (b) 72 (c) 144 (d) 150

40 When the opposite 3D shape is divided into 3 slices, each slice contains .... cubes.



(a) 9 (b) 21 (c) 18 (d) 27

41 130 minutes = ... hours.

(a) $2\frac{1}{6}$ (b) $2\frac{1}{2}$ (c) $2\frac{1}{4}$ (d) $2\frac{1}{3}$

42 The smallest like denominator for the fractions $\frac{3}{4}$ and $\frac{2}{3}$ is ....

(a) 4 (b) 3 (c) 12 (d) 24

43 The four angles are equal in square and ....

(a) rectangle (b) rhombus (c) trapezium (d) parallelogram

44 If the sum of edges of a cube is 48 cm, then its volume equals .... cm^3.

(a) 24 (b) 96 (c) 16 (d) 64

45 The square pyramid has .... triangular faces.

(a) 4 (b) 5 (c) 7 (d) 8

46 If the volume of a rectangular prism is 60 cm^3, and its base area is 15 cm^2, then its height is .... cm.

(a) 4 (b) 75 (c) 45 (d) 900

47 $\frac{7}{5}$ is called a/an ....

(a) proper fraction (b) mixed number (c) whole number (d) improper fraction

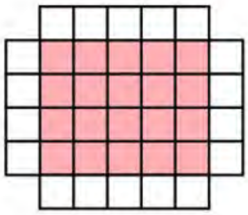
48 A cuboid with base area is 15 cm^2. and its volume is 90 cm^3.
Then its height equals .... cm

(a) 1350 (b) 30 (c) 6 (d) 12

49 $\frac{5}{7} + k = 1\frac{2}{7}$, then k = ...

(a) $\frac{3}{7}$ (b) $\frac{4}{7}$ (c) $1\frac{4}{7}$ (d) $\frac{2}{7}$

50 If the opposite shape is folded, then the volume of the resulting shape is ....



(a) 20 (b) 38 (c) 40 (d) 28

51 $3 \div 18 =$ ....

ⓐ $\frac{1}{3} \div \frac{1}{2}$ ⓑ $\frac{1}{2} \div \frac{1}{3}$ ⓒ $\frac{1}{2} \div 3$ ⓓ $3 \div \frac{1}{2}$

52 A parallelogram with four right angles is a ....

ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ square

53 A .... is a 3D shape with 5 faces, one of which is a square and the other faces are in the shape of triangles

ⓐ pyramid ⓑ cube ⓒ cone ⓓ rectangular prism

54 .... $\times \frac{3}{7} = \frac{2}{7}$

ⓐ $\frac{2}{3}$ ⓑ $\frac{3}{2}$ ⓒ $\frac{1}{7}$ ⓓ $\frac{5}{7}$

55 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an .... triangle.

ⓐ scalene ⓑ equilateral ⓒ isosceles ⓓ otherwise

56 $3\frac{4}{7} \times$ .... $= \frac{25}{7} \times \frac{12}{5}$

ⓐ $1\frac{2}{5}$ ⓑ $2\frac{1}{5}$ ⓒ $2\frac{2}{5}$ ⓓ $5\frac{1}{2}$

57 The mixed numbers $2\frac{2}{6}$ and $3\frac{6}{8}$ by using a like denominator are .... and ....

ⓐ $3\frac{8}{24}, 2\frac{18}{24}$ ⓑ $2\frac{5}{8}, 3\frac{6}{8}$ ⓒ $2\frac{2}{6}, 3\frac{2}{6}$ ⓓ $2\frac{4}{12}, 3\frac{9}{12}$

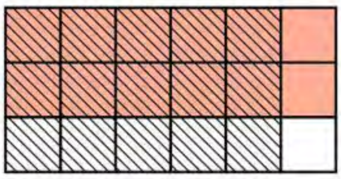
58 $\frac{8}{9} \times \frac{....}{6} = \frac{4}{9}$

ⓐ 8 ⓑ 1 ⓒ 3 ⓓ 4

59 Which of the following is obtuse angle?

ⓐ 75° ⓑ 90° ⓒ 91° ⓓ 180°

60 Which multiplication statement represent the opposite model?



ⓐ $\frac{6}{5} \times \frac{3}{2}$ ⓑ $\frac{2}{3} \times \frac{5}{6}$

ⓒ $\frac{1}{6} \times \frac{1}{3}$ ⓓ $\frac{2}{3} \times \frac{1}{6}$

61 The number of vertices of a rectangular prism is ....

ⓐ 6 ⓑ 8 ⓒ 12 ⓓ 5

62 The values of the missing number in the table are ....

x values	1	2	3	4	5
y values	4	8	12	.....	.....

ⓐ 14 , 16 ⓑ 16 , 18 ⓒ 16 , 20 ⓓ 20 , 24

63 A .... is a quadrilateral with two pairs of parallel sides, all its angles are right and all its sides are equal in length.

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

64 A cuboid has 3 horizontal layers and 5 cube unit in each layer,
Then its volume = ... cube units

ⓐ 8 ⓑ 2 ⓒ 15 ⓓ 9

65 If the point (5 , k) lie on the x-axis, then the value of k = ...

ⓐ 5 ⓑ 3 ⓒ 0 ⓓ 1

66 Data can be represented by ....

ⓐ line plot ⓑ bar graph ⓒ pie graph ⓓ all of them

67 $4 \div \frac{1}{2}$ = ...

ⓐ 2 ⓑ 6 ⓒ 8 ⓓ $4\frac{1}{2}$

68 If $4\frac{3}{5} + m = 6\frac{2}{5}$, then the value of m = ...

ⓐ $1\frac{4}{5}$ ⓑ $2\frac{1}{5}$ ⓒ 11 ⓓ $1\frac{3}{5}$

69 The circular degree that match the fraction of the circle is shaded = ... °.



ⓐ 270 ⓑ 180 ⓒ 90 ⓓ 300

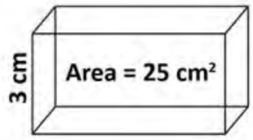
70 How many third s are there in 8?

ⓐ 3 ⓑ $\frac{8}{3}$ ⓒ 24 ⓓ $\frac{3}{8}$

71 A cuboid with height is 4 cm. and its volume is 36 cm^3. Then its base area equals .... cm^2

(a) 144 (b) 9 (c) 40 (d) 72

72 The volume of the opposite solid is .... cm^3.



(a) 50 (b) 75 (c) 100 (d) 25

73 The x-coordinate of the point (5 , 3) is ....

(a) 5 (b) 8 (c) 3 (d) 2

74 $1 - \frac{1}{3} - \frac{2}{3} =$ ....

(a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) zero (d) 1

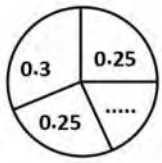
75 A .... is a quadrilateral with two pairs of parallel sides, and all of its sides are equal.

(a) rectangle (b) rhombus (c) trapezium (d) parallelogram

76 A square has .... axes of symmetry.

(a) 0 (b) 1 (c) 2 (d) 4

77 The missed part of the opposite pie chart = ...



(a) 0.25 (b) 0.20 (c) 0.30 (d) 0.35

78 The triangle that has a right angle and two acute angles is called a/an .... triangle.

(a) acute (b) right (c) obtuse (d) otherwise

79 $5 - 2\frac{2}{5} =$ ....

(a) $2\frac{3}{5}$ (b) $3\frac{3}{5}$ (c) $2\frac{2}{5}$ (d) $3\frac{2}{5}$

80 2 hours and a half = ... minutes.

(a) 150 (b) 140 (c) 135 (d) 120

81 If the area of one face of a cube is 16 cm^2. Then the volume equals .... cm^3.

ⓐ 16 ⓑ 4096 ⓒ 64 ⓓ 4

82 $7\frac{1}{4} \times$ .... = 1

ⓐ $\frac{4}{28}$ ⓑ $\frac{4}{29}$ ⓒ $\frac{29}{4}$ ⓓ $7\frac{1}{4}$

83 A triangle whose side lengths are 4 cm, 4 cm .... cm is an equilateral triangle

ⓐ 4 ⓑ 7 ⓒ 3 ⓓ 5

84 The decimal that represents three-eights of a circle = ...

ⓐ 0.125 ⓑ 0.25 ⓒ 0.75 ⓓ 0.375

85 $2\frac{1}{7}$ is equivalent to ....

ⓐ $\frac{14}{7}$ ⓑ $\frac{15}{17}$ ⓒ 15 ⓓ $\frac{15}{7}$

86 .... $\div \frac{1}{4} = 16$

ⓐ 8 ⓑ 2 ⓒ 4 ⓓ $\frac{1}{4}$

87 A cuboid with dimensions are 3 cm, 5 cm, and 10 cm, Then its volume is .... cm^3.

ⓐ 50 ⓑ 15 ⓒ 150 ⓓ 30

88 If $\frac{1}{5} \times k = \frac{1}{20}$, then the value of k = ...

ⓐ 4 ⓑ $\frac{1}{4}$ ⓒ 15 ⓓ $\frac{1}{15}$

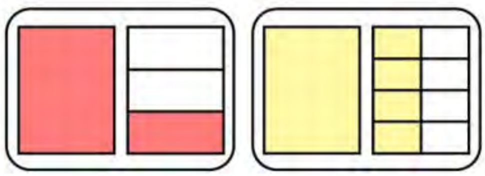
89 The y-coordinate of the point (7 , 2) is ....

ⓐ 5 ⓑ 9 ⓒ 7 ⓓ 2

90 The addition problem that represents the following model is ....

ⓐ $1\frac{1}{3} + 1\frac{2}{3}$ ⓑ $1\frac{1}{3} + 1\frac{1}{2}$

ⓒ $1\frac{2}{3} + 1\frac{1}{2}$ ⓓ $1\frac{2}{3} + 1\frac{3}{6}$



91 A cuboid has 2 vertical slices, each slice has 5 cm^3. then its volume = ... cm^3.

ⓐ 7 ⓑ 3 ⓒ 10 ⓓ $\frac{2}{5}$

92 $3\frac{2}{5} \times \frac{1}{4} = [3 \times \frac{1}{4}] + [\ldots\ldots \times \frac{1}{4}]$

ⓐ $\frac{5}{2}$ ⓑ $\frac{17}{5}$ ⓒ $\frac{2}{5}$ ⓓ $\frac{1}{4}$

93 $3\frac{2}{5} \times 5 = \ldots\ldots$

ⓐ 5 ⓑ $\frac{17}{5}$ ⓒ 17 ⓓ $3\frac{10}{5}$

94 The horizontal number line in the coordinate plane is called ....

ⓐ origin point ⓑ x-axis ⓒ y-axis ⓓ otherwise

95 $\frac{35}{56} = \ldots\ldots$

ⓐ $\frac{8}{5}$ ⓑ $\frac{7}{5}$ ⓒ $\frac{7}{8}$ ⓓ $\frac{5}{8}$

96 $4\frac{8}{9} + \frac{1}{3} = \ldots\ldots + \frac{2}{9}$

ⓐ $5\frac{2}{3}$ ⓑ 5 ⓒ 4 ⓓ 3

97 The point .... lies on the x-axis.

ⓐ (7 , 0) ⓑ (0 , 3) ⓒ (5 , 1) ⓓ (1 , 7)

98 A rectangle with four equal sides is a ....

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

99 Each face of the cube is in the form of a ....

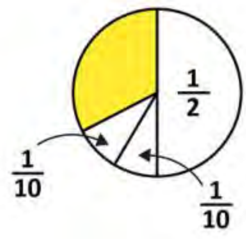
ⓐ rectangle ⓑ square ⓒ rhombus ⓓ circle

100 A parallelogram with four equal sides is a ....

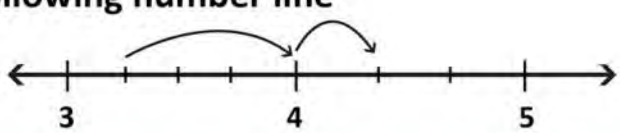
ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ parallelogram

Q2: Complete the following:

1. The type of the triangle whose side lengths are equal according to the lengths of its sides, is a/an .... triangle.
2. A kite contains .... of congruent adjacent sides.
3. $4 \div$ .... $= 16$
4. The volume of cuboid = ... x .... x ....
5. $3\frac{3}{5} \times 7 = 7 \times [\ 3 +$ ....]
6. $\frac{15}{4} =$ .... [as mixed number]
7. A quadrilateral that has only one pair of parallel sides is a ....
8. In a survey about the favorite in a group of 60 persons, The number of persons who encourage a team is 40 persons, then the fraction which represnts these persons is ....
9. The number of faces of a rectangular prism is.............. .
10. If $\frac{4}{7} + \frac{1}{3} = \frac{k}{21} + \frac{7}{21}$, then the value of k = ...
11. The 3D shape that has only one face in the shape of a circle is ....
12. $2\frac{1}{4} \times \frac{5}{8} = [$ ...... $\times \frac{5}{8}\ ] + [\ \frac{1}{4} \times$ ....]
13. In the opposite figure:
    The fraction that represents the shaded part is ....



14. $\frac{5}{8} = \frac{....}{....} = \frac{....}{....} = \frac{....}{....}$
15. The two like denominator fractions of $7\frac{5}{7}$ and $1\frac{5}{14}$ using LCM are ....
16. In Δ ABC , AB = BC = 4 cm and AC = 5 cm, then it is .... triangle according to its side lengths.
17. The subtraction problem that represents the following number line is ....



18 The measure of the central angle of the circular sector that represents $\frac{2}{3}$ of the circle is .... °.

19 If $k - \frac{2}{3} = \frac{3}{7}$, then k = ...

20 .... + $2\frac{5}{7} = 4\frac{3}{14}$

21 To move from point (1, 5) to point (1, 1), we move to the .... of the y-coordinate .... unit(s).

22 $4\frac{1}{3} - 2\frac{2}{3}$ = ...

23 $3\frac{4}{7}$ = ... [as improper fraction]

24 The type of the triangle whose side lengths are 4 cm, 3 cm, and 6 cm according to the lengths of its sides, is a/an .... triangle.

25 The opposite figure represents 360 persons participate in a survey, then number of persons of who represents shaded part is .... persons.

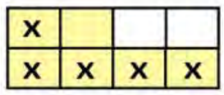


26 A rectangle with length is $1\frac{1}{8}$, and its width is $\frac{2}{3}$, then its area = ...

27 The volume of cuboid = ... x ....

28 The measure of the central angle of the circular sector that represents $\frac{1}{2}$ of the circle is .... °.

29 The subtraction operation represented by the opposite model is ....



30 $2\frac{1}{4} \times 3\frac{1}{3}$ = ...

31 $5\frac{3}{4} \times$ .... = 1

32 The point of intersection of the x-axis with the y-axis is called ....

33 A cube is a three-dimensional shape with .... faces, and each face is in the form of a ....

34 $\frac{7}{9}$ × .... = 7

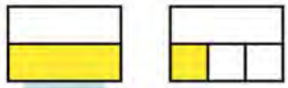
35 5 minutes + 40 seconds = ... minutes.

36 A cuboid of 5 cm length, 2 cm width and 3 cm height, then its volume is .... cm^3.

37 The smallest like denominator for the fractions $\frac{2}{5}$ and $\frac{7}{10}$ is ....

38 $2 - \frac{2}{3} - \frac{1}{4}$ = ...

39 The addition operation represented by the opposite models is: .... + ... = ...



40 The type of an equilateral triangle according to the types of its angles, is a/an .... triangle.

41 A fraction whose numerator is greater than its denominator is called a/an ....

42 .... is the amount of space occupied by a three-dimensional shape

43 The cylinder has .... base[s].

44 15 minutes = ... hours.

45 The opposite figure represents 80 persons participate in a survey, then number of persons of who represents shaded part is .... persons.



46 The volume of cube = ... x .... x ....

47 A quadrilateral that has two pairs of parallel sides and all of its angles are right angles is a ....

48 48 minutes = ... hour

49 The quadrilateral that has one pair of acute angles, one pair of obtuse angles, two pairs of parallel sides, and all its sides are equal is a ....

50 The volume of cuboid whose base area is 24 cm^2, and its height is 4 cm is ....

51 The horizontal number line in the coordinate plane is called ....

52 In the ordered pair (6, 5), the x-coordinate is .... and the y-coordinate is ....

53 $5\frac{2}{5}$ minutes = ... minutes , ... seconds

54 A square contains .... of the parallel sides and .... right angles.

55 The measure of the central angle of the circular sector that represents $\frac{1}{4}$ of the circle is .... °.

56 30 months = ... years.

57 The ordered pair representing the origin is (......... , ...).

58 $g - 3\frac{2}{5} = 2\frac{3}{5}$, then g = ...

59 $7 \div 3 =$ ....

60 The .... is a solid that has 5 faces, one of which is in the form of a square and the rest in the form of a triangle.

61 A rectangular prism has 2 vertical slices, each slice has a volume of 4 cm^3, then its volume is .... cm^3.

62 3 years + 3 months = ... years.

63 The vertical number line in the coordinate plane is called ....

64 $\frac{2}{11} \times$ .... $= \frac{3}{11}$

65 $\frac{1}{4}$ of 24 = ...

67 .... $\div \frac{1}{2} = 14$

68 $3\frac{12}{11} = 4\frac{....}{....}$

69 The equilateral triangle has AB = BC = ...

70 The two .... lines never intersecting.

71 A cubic meter is the measuring unit of ....

72 $2\frac{1}{3}$ hours = ... minutes

73 In the points (1 , 3) , (2 , 6) and (3, 9), The .... values increase by 3

74 The solid which has no edges, no faces, no vertices is called ....

75 The point (3 , 0) lies on .... -axis

Q3: Answer the following:

1 Find the area of the following rectangles:

$2\frac{3}{4}$ cm, $\frac{4}{5}$ cm — Area = ...

$\frac{5}{6}$ cm, $\frac{1}{5}$ cm — Area = ...

$1\frac{1}{4}$ cm, $3\frac{2}{5}$ cm — Area = ...

2 $\frac{1}{3}$ of the flowers in the school garden are white, $\frac{1}{4}$ are pink and the rest are blue. What fraction represents the blue flowers?

....

3 Malek spends $2\frac{1}{4}$ hours studying Arabic and 30 minutes more time studying mathematics. How much time does Malek spend studying mathematics and Arabic?

....

4 Find the result in the simplest form:

A] $\frac{3}{4} + \frac{5}{6}$ B] $\frac{1}{2} - \frac{1}{6}$ C] $\frac{5}{9} - \frac{1}{2}$

....

5 Murad bought 4 kg of oranges, he used $\frac{5}{7}$ kg of them to make juice .
Calculate how many kilograms of orange are left?

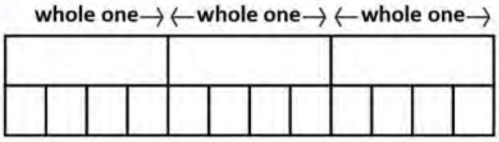
....

6 Nouran had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds. She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?

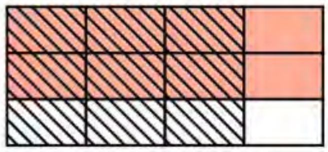
....

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7 Using the models shown, then answer:



……… ÷ ……… = ……….



……… × ……… = ……….

8 There are 5 kilograms of flour, A worker divides the flour into package of $\frac{1}{4}$ kg.
How many package will be made?

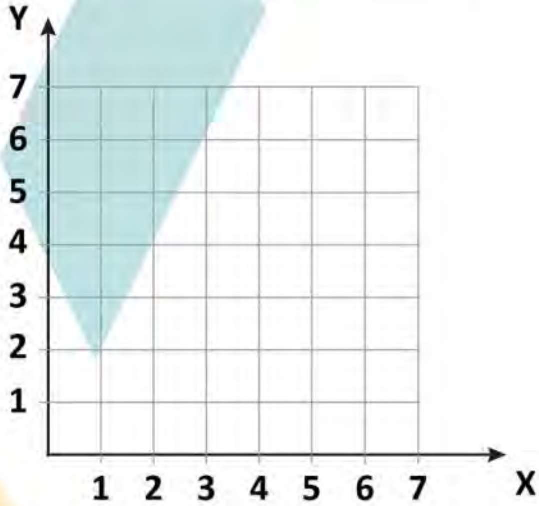
……………………………………………………………………………………………………

9 Represent the two tables on the graph:

Pattern 1				
x-values	1	3	5	7
y-values	1	2	3	4

Pattern 2				
x-values	1	2	3	4
y-values	1	3	5	7

Key: ☐ Pattern 1 ☐ Pattern 2



10 Study the corresponding figure, then complete:

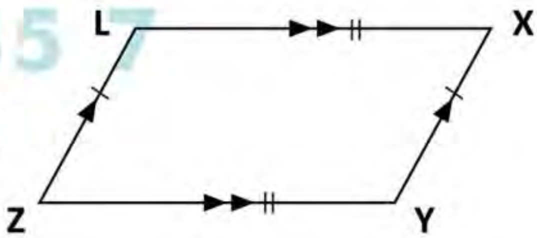
A] The corresponding figure is called ……………..

B] YZ and ………………… are parallel and congruent.

C] LZ and ………………… are parallel and congruent.

D] ∠ X and ∠ Z are ………………… angles.

E] ∠ Y and ∠ L are ………………… angles.



11 Omar has 30 feddans of land, He planting $\frac{5}{6}$ of the land .
what the number of feddans planting?

……………………………………………………………………………………………………

12 The following table represents the results of a questionnaire about the most preferred fruit by a group of students:

Fruit	Mango	Apple	Banana	Orange
No. of student	18	9	6	3

Shade the pie chart using the data in the table, then write the fraction that represents each fruit, and complete:



1] The fraction representing the number of students who prefer:
Mango: ...., Apple: ....,
Banana: ...., Orange: ....

2] The total number of students who participated in the questionnaire is .... students.

13 Find the missing number using any strategy. Simplify, if possible:

A] $15\frac{1}{4} - c = 8$

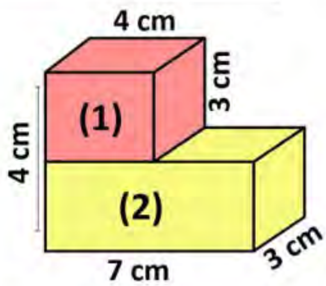
B] $4\frac{2}{5} + k = 9\frac{3}{4}$

....

14 It takes Hala $\frac{1}{3}$ of an hour to model 4 identical clay figures.
How long does it take for Hala to model one clay figure?

....

15 Find the area of the opposite figure:

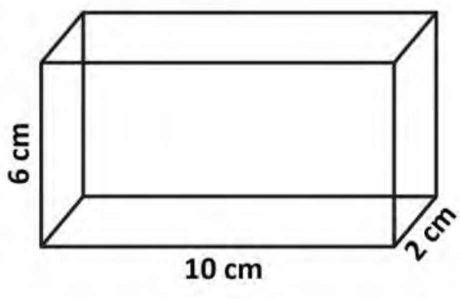


The volume of (1) = ...

The volume of (1) = ...

The volume of figure = ...

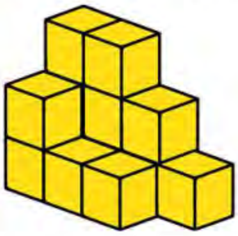
16 Find the area of the opposite figure:

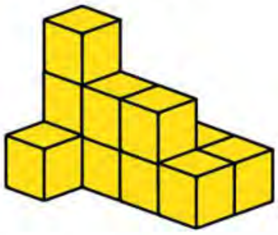


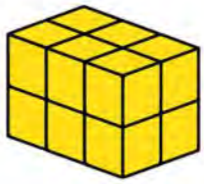
The volume = ...

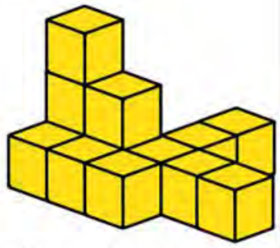
= .... = ... cm^3.

17 Find the volume (number of cubes) of each of the following shapes, where each cube represents 1 cm^3:


The volume = ...


The volume = ...


The volume = ...


The volume = ...

---

18 Marwa spends $\frac{2}{3}$ hour doing her Arabic homework, $\frac{3}{5}$ hour doing the math homework, and 3 hour doing the English homework.

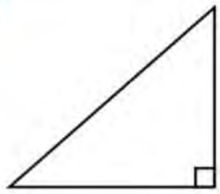
Calculate the time she spends doing her homework.

....

---

19 Which two types of triangles are shown?

A] Scalene triangle
B] Isosceles triangle
C] Equilateral triangle
D] Right triangle
E] Acute triangle
F] obtuse triangle



---

20 Find the volume of each of the following cubes:



The volume = ...



The volume = ...

---

21 A tank of water contains $4\frac{4}{5}$ liter of water. Sara used $1\frac{1}{4}$ liters and Murad drank $\frac{3}{4}$ liter, How much of water is left in the tank?

....

---

22 The price of each pen is $2\frac{1}{2}$ LE. Find the price of 5 pens.

....

23 A $4\frac{1}{4}$ km long road was paved in three stages. $1\frac{7}{10}$ km were paved in the first stage, $1\frac{3}{5}$ km in the second stage and the rest in the third stage.
How long is the paved road in the third stage?

....

24 A rectangular prism has a volume of 120 cm^3, a length of 8 cm and a height of 5 cm. Find its width.

....

25 Mariam spent $3\frac{1}{2}$ hours studying. The next day, she spent $1\frac{1}{2}$ fewer hours than the previous day. How many hours did Mariam spend studying on both days?

....

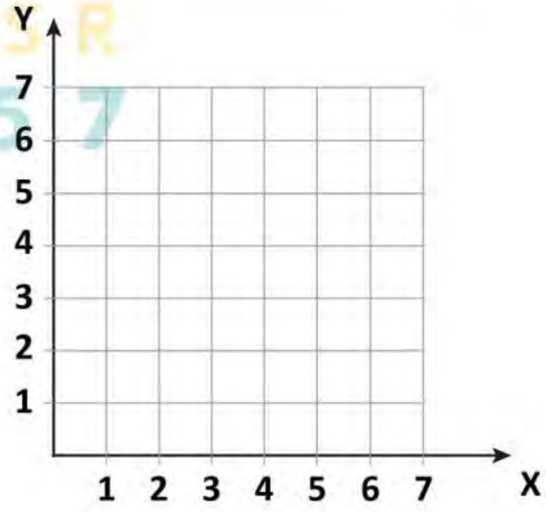
26 A swimming pool is in the shape of a cuboid, its base is of length 70 meters and its width is 40 meters. Find the depth if 54,000 cm^3 of water fill this swimming pool completely.

....

27 Rehab needs two bottles of oil. If she has a bottle $\frac{3}{5}$ full
How much oil will she need to have a full two bottles?

....

28 Locate the following points on the coordinate grid
A (4 , 1), B (6 , 3), C (4 , 5), D (2 , 3),
Then connect them.
Find:
1] The name of the figure: ....
2] AB // .... , BC // ....
3] CD = ... = AD = ...



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1	The smallest like denominator of $\frac{1}{3}$ and $\frac{4}{5}$ is ………………	(20 , 12 , 15 , 40)
2	The LCM of the denominators of fraction $\frac{2}{5}$ and $\frac{3}{10}$ is ………	(5 , 10 , 20 , 50)
3	The LCM of the denominators of $\frac{7}{12}$ and $\frac{5}{18}$ is ………	(12 , 36 , 18 , 6)
4	The fraction $\frac{3}{7}$ is equivalent to ………	($\frac{13}{17}$, $\frac{15}{21}$, $\frac{31}{71}$, $\frac{6}{14}$)
5	$\frac{17}{2}$ is equivalent to …………	($8\frac{1}{2}$, $6\frac{1}{2}$, $5\frac{1}{2}$, $1\frac{2}{7}$)
6	The simplest form of $\frac{36}{48}$ is ……….	($\frac{6}{8}$, $\frac{3}{2}$, $\frac{2}{3}$, $\frac{3}{4}$)
7	$\frac{3}{4}+\frac{1}{2}=$ …………	($\frac{4}{6}$, $\frac{3}{8}$, $\frac{1}{4}$, $1\frac{1}{4}$)
8	$\frac{4}{5}-\frac{3}{4}=$ ………….	($\frac{7}{20}$, $\frac{15}{20}$, $\frac{1}{20}$, $\frac{3}{20}$)
9	$3\frac{1}{2}+2\frac{1}{3}=$ ……….	($5\frac{5}{6}$, $5\frac{2}{5}$, $\frac{6}{2}+\frac{6}{3}$, 6)
10	$5\frac{2}{3}+2\frac{1}{3}=$ ……………..	($7\frac{2}{3}$, 7 , 8 , 9)
11	$4\frac{3}{7}+1\frac{5}{7}=$ …………..	($5\frac{1}{7}$, $6\frac{1}{7}$, $5\frac{8}{14}$, $6\frac{2}{7}$)
12	$1\frac{4}{5}-1\frac{1}{20}=$ …………..	($\frac{7}{20}$, $\frac{4}{3}$, $\frac{3}{4}$, $1\frac{1}{5}$)
13	$1-\frac{1}{4}-\frac{1}{6}=$ …………	($\frac{7}{12}$, $\frac{1}{2}$, $\frac{5}{6}$, $\frac{3}{4}$)
14	$2\frac{1}{3}\times\frac{3}{7}=$ …………	($\frac{4}{4}$, $\frac{3}{7}$, $2\frac{1}{7}$, $\frac{7}{3}$)
15	$\frac{2}{3}\times\frac{3}{8}\times\frac{8}{9}=$ ………	($\frac{1}{3}$, $\frac{2}{9}$, $\frac{13}{20}$, $\frac{2}{17}$)
16	$\frac{8}{11}\times 2.5=$ ………..	($\frac{16}{11}$, $1\frac{9}{11}$, $\frac{11}{20}$, $1\frac{2}{11}$)
17	$4\div\frac{1}{2}=$ …………..	(6 , 2 , 8 , $4\frac{1}{2}$)
18	$\frac{1}{2}\div 6=$ ……….	(3 , $\frac{1}{12}$, $\frac{2}{6}$, $\frac{1}{8}$)
19	$5\times\frac{1}{5}$ …….. $5\div\frac{1}{5}$	($<$, $=$, $>$, $\geq$)
20	$\frac{1}{2}\times\frac{3}{2}$ …….. $\frac{1}{2}$	($<$, $>$, $=$, $\leq$)
21	$\frac{5}{7}\times\frac{2}{5}$ …….. $\frac{5}{7}$	($<$, $>$, $=$, $\leq$)
22	$12\div 8=1\frac{1}{\dots}$	(2 , 3 , 4 , 5)
23	$1-\frac{2}{7}=$ …………..	
24	$\frac{24}{28}=\frac{\dots}{7}$	
25	$2\frac{1}{4}-1\frac{3}{4}=$ ………..	
26	$7\frac{3}{8}-4\frac{1}{2}=$ …………….	(1)

27	$7 - \frac{2}{9} = \ldots\ldots\ldots\ldots$
28	$5 - 2\frac{3}{7} = \ldots\ldots\ldots\ldots$
29	$6\frac{1}{5} - 4\frac{3}{4} = \ldots\ldots\ldots\ldots$
30	*the product of* $\frac{1}{2}$ *and* $\frac{8}{10} = \ldots\ldots\ldots$
31	*The quotient of* : $8 \div 5 = \ldots\ldots\ldots$
32	$\frac{2}{3}$ *of* $9 = \ldots\ldots\ldots$
33	$18 \div \frac{1}{2} = 18 \times \ldots\ldots\ldots$
34	$6 \times 2\frac{5}{8} = \ldots\ldots\ldots$
35	$0.25 \times \frac{6}{7} = \ldots\ldots\ldots$
36	$\frac{4}{11} \times 0.5 = \ldots\ldots\ldots$
37	*If* $17 \div 8 = a\frac{1}{8}$ *, then* $a = \ldots\ldots\ldots$
38	*If* $12 \div 7 = 1\frac{a}{7}$ *, then* $a = \ldots\ldots\ldots$
39	$19 \div 4 = 4\frac{3}{\ldots\ldots}$
40	*The fraction* $2\frac{1}{4}$ *by grouping is* $\ldots\ldots\ldots$
41	*The grouping of* $4\frac{3}{5}$ *is* $a\frac{8}{5}$ *, then* $a = \ldots\ldots\ldots$
42	*The number of thirds in one is* $\ldots\ldots\ldots$
43	*How many sixths are in the number* 10 ?
44	*How many sevenths are there in* 7 ?
45	*The unit fraction is a fraction with numerator* $= \ldots\ldots\ldots$
46	$2\frac{1}{2} \times 5 = [2 \times 5] + [\ldots\ldots \times 5]$
47	$3\frac{1}{4} \times \frac{1}{2} = [3 + \ldots\ldots\ldots] \times \frac{1}{2}$
48	*If* $\frac{2}{5} \times 3\frac{1}{2} = \frac{2}{5} \times 3 + \frac{2}{5} \times b$ *, then* $b = \ldots\ldots\ldots$
49	$5\frac{1}{7} \times 3\frac{1}{4} = \left[5 + \frac{1}{7}\right] \times \left[\ldots\ldots + \frac{1}{4}\right]$
50	*If* $a \times \frac{3}{4} = \left(2 \times \frac{3}{4}\right) + \left(\frac{1}{2} \times \frac{3}{4}\right)$ *, then* $a = \ldots\ldots\ldots$
51	$[4 \times 2] + \left[4 \times \frac{2}{7}\right] = 4 \times \ldots\ldots\ldots$

$Part + Part = Total$ $Total - Part = Part$	→	$Total = part + part$ $Part = Total - part$
$Part \times Part = Total$ $Total \div Part = Part$	→	$Total = part \times part$ $Part = Total \div Part$

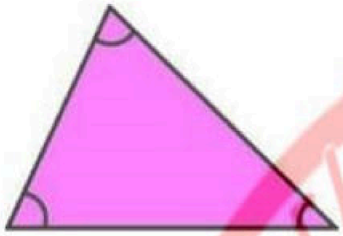
52	$2\frac{3}{5} + \dots\dots = 3\frac{1}{4}$
53	$If\ 2\frac{1}{2} + a = 3\frac{1}{4}$, then $a = \dots\dots$
54	$If\ x + 5\frac{1}{4} = 7\frac{3}{4}$, then $x = \dots\dots$
55	$If\ 3\frac{1}{2} + b = 7$, then $b = \dots\dots$
56	$If\ 2\frac{3}{5} + x = 3$, then $x = \dots\dots$
57	$\frac{3}{7} + \frac{2}{7} + \dots\dots = 1$
58	$\dots\dots - 1\frac{3}{4} = 2\frac{3}{5}$
59	$2\frac{2}{3} - \dots\dots = 1\frac{1}{2}$
60	$1 - \dots\dots = \frac{3}{4}$
61	$If\ 3\frac{4}{7} - x = 2\frac{1}{7}$, then $x = \dots\dots$
62	$If\ k - 1\frac{5}{9} = 2\frac{5}{9}$, then $k = \dots\dots$
63	$\frac{3}{8} \times \dots\dots = \frac{3}{7}$
64	$\frac{3}{5} \times \frac{\dots}{4} = \frac{3}{5}$
65	$If\ \frac{1}{3} \times a = 1\frac{1}{3}$, then $a = \dots\dots$
66	$\frac{2}{9} \times \dots\dots = 1$ $4 \times \dots\dots = 1$ $1\frac{3}{7} \times \dots\dots = 1$
67	$\frac{2}{3} \div \dots\dots = 1$ $\frac{7}{11} \div \dots\dots = \frac{7}{11}$
68	$If\ a \times \frac{3}{17} = \frac{2}{17}$, then $a = \dots\dots$
69	$If\ 8 \div m = 24$, then $m = \dots\dots$
70	$If\ \frac{1}{3} \div a = \frac{1}{9}$, then $a = \dots\dots$
71	$5\frac{2}{3} = \dots\dots \div 3$

$1\ hour = 60\ min$	$1\ min = 60\ sec$	$1\ day = 24\ hr$	$1\ year = 12\ month$
$2\ hours = 120\ min$	$2\ min = 120\ sec$	$2\ day = 48\ hr$	$2\ year = 24\ month$
$\frac{1}{2}\ hour = 30\ min$	$\frac{1}{2}\ min = 30\ sec$	$\frac{1}{2}\ day = 12\ hr$	$\frac{1}{2}\ year = 6\ month$
$\frac{1}{4}\ hour = 15\ min$	$\frac{1}{4}\ min = 15\ sec$	$\frac{1}{4}\ day = 6\ hr$	$\frac{1}{4}\ year = 3\ month$
$\frac{1}{3}\ hour = 20\ min$			
$\frac{3}{4}\ hour = 45\ min$			

No.	Question	Choices
72	$2\frac{1}{2}$ hours = ... minutes	(120 , 140 , 150 , 160)
73	120 seconds = ... minutes	(1 , 2 , 3 , 4)
74	$\frac{1}{4}$ year = ... months	(3 , 4 , 6 , 12)
75	$2\frac{1}{3}$ hours = ... minutes	(120 , 150 , 140 , 130)
76	$\frac{1}{2}$ year = ... months	
77	150 minutes = ... hours and .... minutes	
78	2 years = ... months	
79	40 minutes = ... hour	
80	$\frac{1}{6}$ year = ... months	
81	90 second = ... minutes	
82	$2\frac{3}{4}$ hours = ... hours + ... minutes	
83	18 months = ... year	
84	45 minutes = ... hours	

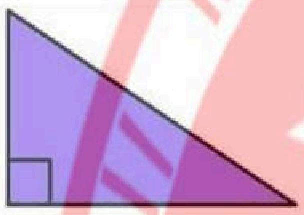
Types of triangle

Based on angles



Acute Triangle

- ✓ ***Has 3 acute angles***



Right Triangle

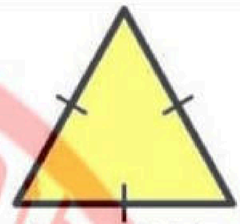
- ✓ ***Has 1 right , 2 acute angles***



Obtuse Triangle

- ✓ ***Has 1 obtuse , 2 acute angles***

Based on Sides



Equilateral Triangle

- ✓ ***All sides are equal***
- ✓ ***Equilateral triangle is acute***



Isosceles Triangle

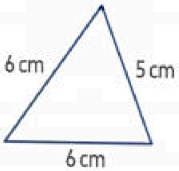
- ✓ ***Two sides are equal in length***

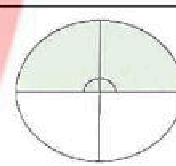
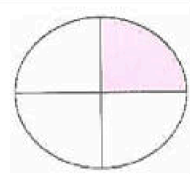
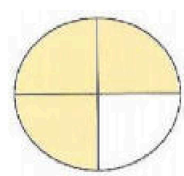
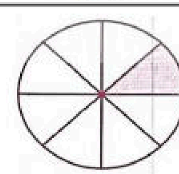


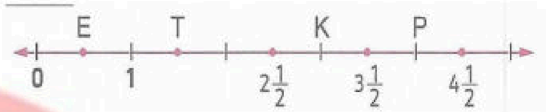
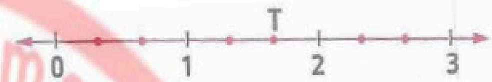
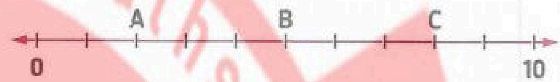
Scalene Triangle

- ✓ ***All sides are different***

No.	Question	Choices
85	*Any triangle has at least .... acute angles*	(2 , 3 , 4 , 5)
86	*The measure of an acute angle may be ....*	(0 , 40 , 90 , 170)
87	*The measure of an obtuse angle is 90*	(> , < , =)
88	*The measure of a right angle .... The measure of an acute angle*	(> , < , =)
89	*If the side lengths of the triangle are different , the triangle is called ....*	(*equilateral* , *scalene* , *isosceles*)
90	*In the* ΔABC , $AB = BC = 5$ *cm* , $AC = 3$ *cm* , *then the triangle is ....*	(*equilateral* , *isosceles* , *scalene*)

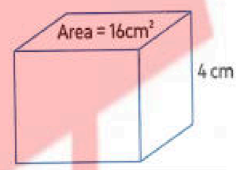
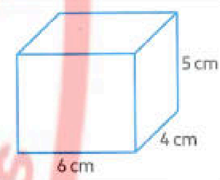
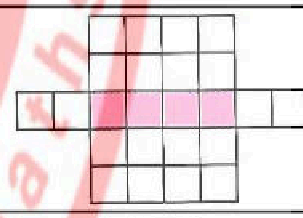
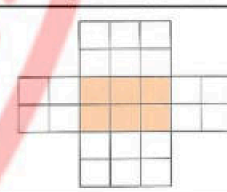
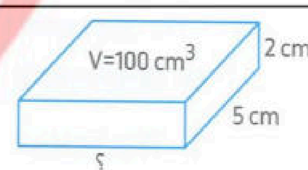
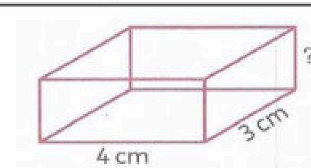
No.	Question
91	*The opposite triangle is ....*  *A) equilateral* *B) Isosceles* *C) Scalene* *D) Obtuse*
92	*The triangle whose side lengths are .... is an equilateral* *A) 7 cm , 6 cm , 5 cm* *B) 4 cm , 4 cm , 4 cm* *C) 5 cm , 7 cm , 5 cm* *D) 7 cm , 8 cm , 3 cm*
93	*The triangle whose side lengths are .... is an isosceles triangle* *A) 5 cm , 7cm , 6 cm* *B) 9 cm , 9 cm , 9 cm* *C) 5 cm , 7 cm , 5 cm* *D) 7 cm , 8 cm , 2 cm*
94	*ABC is an isosceles triangle , AB = 7 cm , BC = 4 cm , Then AC = ...* (3 , 4 , 5 , 6)
95	*The equilateral triangle is .... angled triangle* (*acute* , *right* , *obtuse*)
96	*in The right angled triangle there are.......... right angles* (1 , 2 , 3 , 4)
97	*In* ΔXYZ , $m(\angle X) = 90$, $m(\angle Y) = 40$ *and* $m(\angle Z) = 50$, *then the triangle is .... angled triangle* (*acute* , *right* , *obtuse*)
98	*In* ΔABC , $m(\angle A) = 50$, $m(\angle B) = 60$ *and* $m(\angle C) = 70$, *then the triangle is .... angled triangle* (*acute* , *right* , *obtuse*)
99	*In* ΔABC , $m(\angle A) = 46$, $m(\angle B) = 38$ *and* $m(\angle C) = 96$, *then the triangle is .... angled triangle* (*acute* , *right* , *obtuse*)
100	*In* ΔXYZ , $m(\angle X) = 130$, $m(\angle Y) = m(\angle Z) = 25$, *then the triangle is .... angled triangle* (*acute* , *right* , *obtuse*)
101	*............ −angled triangle has 3 acute angles* (*acute* , *right* , *obtuse*)
102	*The following figure* → *is called ....* (*Angle* , *ray* , *staright line* , *line segment*)
103	*In any Polygon , the number of of angles = the number of ....*
104	*In the equilateral triangle XYZ , Xy = YZ = 7 cm , then XZ = ... cm*
105	*The equilateral tringle ABC has AB = BC = ...*
106	*The polygon with 4 sides is called ....*
107	*The polygon with 5 sides is called ....*
108	*The polygon with 6 sides is called ....*

109	The origin point is .... ((1,0) , (0,1) , (0,0) , (1,1))
110	Which of the following points located on y axis? ((3,0) , (4,5) , (0,3) , (1,1))
111	The point .... lies on x axis ((0,5) , (1,5) , (5,1) , (5,0))
112	The x coordinate of (2,5) is .... (2 , 7 , 5 , 0)
113	The y coordinate of (0,7) is .... (0 , 7 , 70 , 1)
114	In the coordinate plane, the vertical axis is called .... (origin point , y axis , x axis , ordered pair)
115	The .... is the point of intersection of the x axis with the y axis (origin , starting point , ending point , ordered pair)
116	Any point lies on x axis then y coordinate is ....
116	If the x coordinate of the point is zero then this point lies on .... axis
117	The y coordinate of the origin point is ....
118	In the coordinate plane, the horizontal axis is called .... axis
119	The point (7,0) lies on ....
120	The sum of the measures of angles acuumulating around at a point as the center of the circle = ... (45 , 90 , 180 , 360)
121	The measure of whole circle = ...
122	The measure of the central angle that represent the opposite colored sector is .... 
123	The circular degree that match the fraction of the circle is shaded .... 
124	The measure of the central angle that represent the opposite colored sector is .... 
125	A circle has360 degrees, select the circular degree of the opposite shaded sector = ... 

126	*The measure of the angle which represents* $\frac{1}{6}$ *of the circle =* ....
127	*Two persons share half a kg of banana equally , each person takes* ....
128	*The distance between K and E =* .... 
129	*By using the opposite number line , the value of T =* .... 
130	▪ *The value of B is* .... ▪ *The disatnce between A and C =* .... 
131	*If A (3 , 2) , D (6 , 2), then the length of* $\overline{AD}$ *=* .... *length unit*
132	*One of units of measuring volume is* .... (cm , cm^2 , cm^3 , m)
133	cm^3 *is a unit of measuring the* .... (*length* , *area* , *volume* , *perimeter*)
134	*A square its side length 3 cm , then its area =* .... cm^2
135	*The perimeter os square with side length 10 cm =* .... *cm*
136	*If the area of square = 64* cm^2 *, then its side length =* .... *cm*
137	*Six and forty seven hundredths =* ....
138	*The two* .... *lines are never intersecting*
139	$5.7 = 5 +$ ....
140	*The cube has* .... *faces*
141	*The cone has* .... *vertex*
142	*The solid which has no edges , no faces , no vertices is called* ....

<u>Cuboid</u> :- *It has 6 faces , 8 vertices , 12 edges*

<table>
<tr><td colspan="3">Volume = $l \times w \times h$</td><td colspan="2">Volume = base area × height</td></tr>
<tr><td>$l = \frac{V}{w \times h}$</td><td>$w = \frac{V}{l \times h}$</td><td>$h = \frac{V}{l \times w}$</td><td>$h = \frac{V}{\text{base area}}$</td><td>base area = $\frac{V}{h}$</td></tr>
<tr><td colspan="5">Volume = the number of layers × the number of cuboid on it</td></tr>
<tr><td colspan="5">Volume (squared base) = $s \times s \times h$</td></tr>
</table>

143	*Volume of cuboid = ... × .... × ....*
144	*Volume of rectangular prism = ... × ....*
145	*A cuboid whose base area 15 cm^2 and height 10 cm , then its volume = ... cm^3*
146	*Length of cuboid = ...* ($l \times w \times h$, $\frac{volume}{w \times h}$, $\frac{base\ area}{h}$, $w \times h$)
147	*A cuboid has 2 vertical slices and each slices has 5 cm^3 , then its volume = ...* (7 , 10 , 3 , $\frac{5}{2}$)
148	*A cuboid has 4 horizontal layers and 5 cube units in each layer , then its volume = ... cube units* (9 , $\frac{5}{4}$, $\frac{4}{5}$, 20)
149	*The volume of cuboid of dimensions 2 m , 5 m and 6 m is = ... m^3* (50 , 60 , 70 , 80)
150	*The volume of opposite solid is .... cm^3* (4 , 20 , 12 , 64) 
151	*The volume of opposite cuboid is .... cm^3* (120 , 20 , 30 , 15) 
152	*The volume of solid is formed from folding the net square is ....* (12 , 4 , 16 , 8) 
153	*The volume of solid is formed from folding the net square is ....* (6 , 8 , 10 , 12) 
154	*The missing dimensions in the opposite cuboid is .... cm* 
155	*The volume of cuboid is 24 cm^3 , then the missing dimensions is .... cm* 

156 *Volume of cuboid* = ... × .... × ....

157 *Volume of rectangular prism* = ... × ....

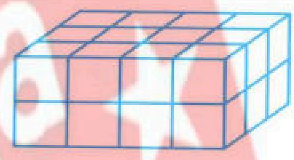
158 *A cuboid whose base area* 15 cm^2 *and height* 10 *cm*, *then its volume* = ... cm^3

159 *A cuboid whose volume* 300 cm^3 *and base area* 30 cm^2, *then its height* = ... *cm*

160 *A cuboid whose volume* 40 cm^3 *and its height* 4 *cm*, *its width* 2 *cm*, *then its length* = ... *cm*

161 *Find the volume of opposite solid*

....

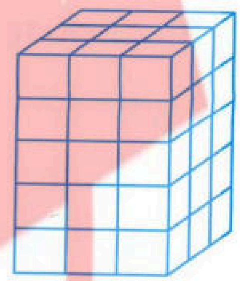


162 *In the opposite solid*

(1) *Number of vertical slices is* ....

(2) *Number of cubes in each vertical slices* : ....

(3) *Volume* = ... × .... = ... cm^3

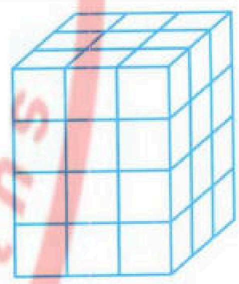


163 *In the opposite solid*

(1) *Number of horizontal layers is* ....

(2) *Number of cubes in each horizontal layer* : ....

(3) *Volume* = ... × .... = ... cm^3



164 *Area of rectangle* = ... × ....

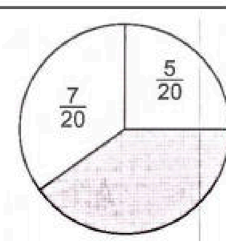
165 *The area of rectangle of dimensions* $\frac{3}{4}$ *m and* $\frac{2}{5}$ *m is* ....

166 *Area of rectangle of dimensions* $2\frac{1}{2}$ *m and width* $1\frac{1}{5}$ *length unit is* ....

167 *Cuboid with squared base its side length* 6 *cm and its height is* 5 *cm*, *then its volume is* ....

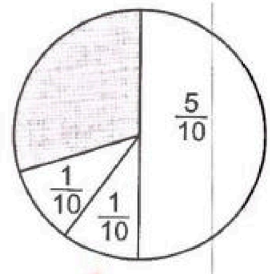
168 *In the opposite figure* :

The fraction of the shaded pie chart = ...



167

The fraction that represents the shaded part is ....

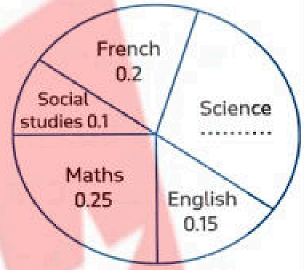


168

The opposite figure shows the percentages of sales of different types of books complete :

(1) the sales fraction of science book is ....

(2) the least sales fraction is in ....



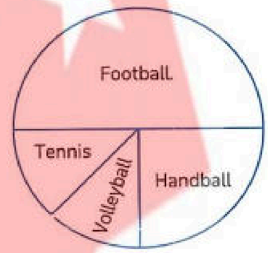
169

In the opposite pie charts

(1) the fraction of Football is ....

(2) the fraction of Tennis is ....

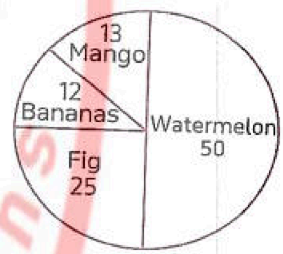
(3) the fraction of Handball is ....



170

the opposite figure shows a survey for the favourite fruits of a group of people

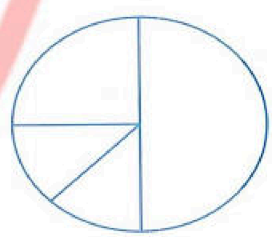
- *The number of people who took the survey = ...*
- *The fraction that represents watermelon = ...*
- *The decimal that represents fig = ...*



171

The following table shows the rate of the score of 200 students in one school of cairo governorate :

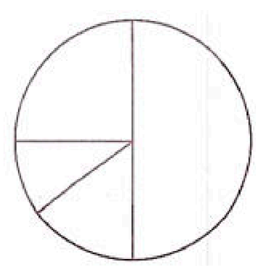
Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



172

The following table shows the rate of the score of 100 students in one school of Gharbia governorate :

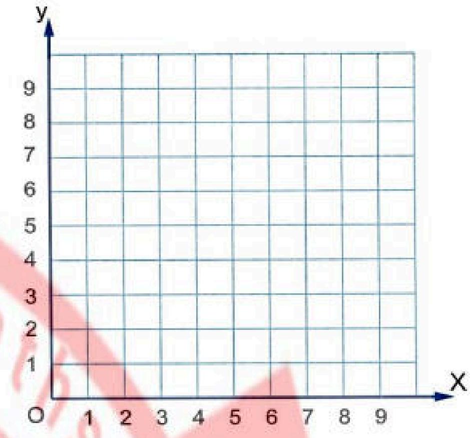
Rate	Excellent	Good	Pass	Weak
Number of students	50	25	15	10



173

In the opposite coordinate plane :

1. Graph the figure ABCD where A (2 , 8) , B (3 , 4) , C (8 , 4) and D (7 , 8)
2. What is the name of the figure ABCD ?
3. What is the length of $\overline{AD}$?
4. $\overline{AD}$ // ______________ , $\overline{AB}$ // ______________

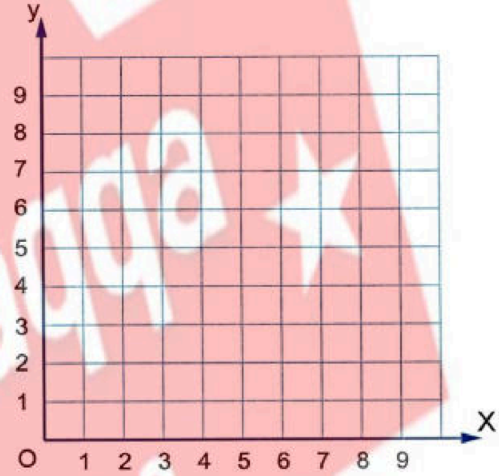


174

Plot the points on the coordinate plane

A (2 , 8) , B (2 , 5) , C (6 , 5) and D (6 , 8)

What is the name of figure ABCD ?

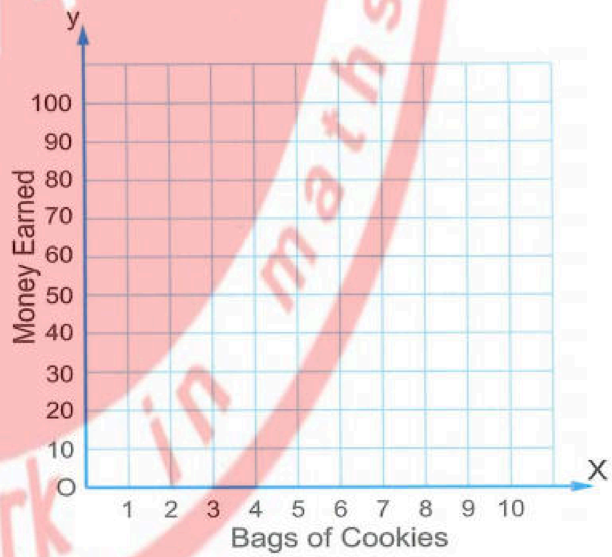


175

Yara is selling bags of cookies in her friends to make extra money to buy a new bike She earns 10 L. E for each bag of cookies she solls

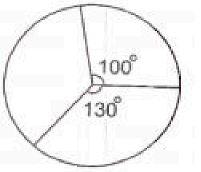
Complete the table and then graph the points on the coordinate grid

Bags of cookies	Money Earned in L.E
2	....
4	....
7	....
8	....
10	....



176

The measure of central angle of missing sector = ...



177	*From the opposite number line :*  *The distance between A and B =* .... *units*
178	*Fatma has* $2\frac{2}{5}$ *kilograms of flour . She used* $1\frac{1}{5}$ *kilograms to make sugar cake . find the reminder amount of floor* ....
179	*Ali ate* $1\frac{1}{2}$ *pieces of chocalete his frind Omar ate* $\frac{3}{4}$ *pieces more than him , How many pieces did they eat together ?* ....
180	*Hany collected* $5\frac{1}{4}$ *kg of honey he gave his brother* $2\frac{3}{7}$ *kg of them , How many kilograms are left ?* ....
181	*Karim walked* $2\frac{1}{5}$ *km and Sameh walked* $1\frac{1}{3}$ *km more What distance that sameh walked* ....
182	*Ali studied Arabic for* $3\frac{1}{2}$ *hr and Science for* $2\frac{1}{2}$ *hr . How many hours did Ali study in all ?* ....
183	*If the price of 9 pens is 77 L.E find the price of each pen* ....
184	*If the price of a pen is* $2\frac{1}{2}$ *pounds . Find the price of 6 pens.* ....

185	*Ali earns* $7\frac{1}{4}$ *L.E for an hour. He works 4 hour per day. How much money does he earn per day ?* ....
186	*Marwan studied math for* $2\frac{1}{2}$ *hours and science for 90 minutes How many hours did Marwan study in all ?* ....
187	*If the price of 9 pens is 77 L.E find the price of each pen* ....
188	*There are 5 kg of flour. A worker divides the flour into packages of* $\frac{1}{4}$ *kg. How many packages will be made ?* ....
189	*If the price of a pen is* $2\frac{1}{2}$ *pounds. Find the price of 6 pens.* ....
190	*Omar owns a car park. The parking length 3 m Long and the sidth* $2\frac{1}{2}$ *m. What is the area of the parking ?* ....
191	*A swimming pool the length of its base is 50 m, the width is 20 m and the height is 3 m. Find the volume of the swimming pool.* ....
192	*A juice can is in the shape of cuboid, its base area 25* cm^2 *and its height is 10 cm. calculate the volume of the juice can* ....
193	*The opposite figure represents 40 persons participate in a survey, then the number of persons who represents shaded part is ....*

$Perimeter\ of\ Square = S \times 4$	$Perimeter\ of\ Rectangle = (L + W) \times 2$	$Perimeter\ of\ equilatera\ Triangle = S \times 3$

$Area\ of\ Square = S \times S$	$Area\ of\ Rectangle\ L \times W$

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امتحانك _بين _ايديك

دعوه من قلبك

مستر : جمال السقا